

حمل الآن

مجاناً وحصرياً

المراجعة رقم (1)

اختبار شهر ابريل



April Models

Model 1

First group Choose the correct answer:

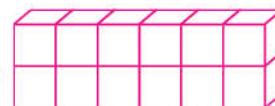
(1) Number of horizontal layers of the opposite solid = _____

a. 2

b. 3

c. 6

d. 7



(2) Which of the following points located on x-axis?

a. (1,1)

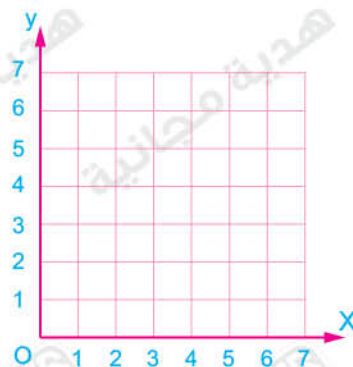
b. (2,0)

c. (0,2)

d. (1,2)

Second group Answer the following questions:

(1) Plot the following points on the opposite coordinate plane: A (2,2), B (2,5), C (6,5), D (6,2), connect the points in order, then write the name of the shape ABCD.



(2) The following table shows the number of hours that Ahmed spent in studying in different subjects in a week:

Arabic	Maths	Science	English	Total
12	6	3	3	24

Represent this data by a pie chart.

(3) Write the name of each of the following:

(a) The solid which has no edges, no faces and no vertices. _____

(b) The solid which has 2 circular bases, no edges and no vertices. _____

(4) A cuboid whose volume is 600 cm^3 and its base area is 60 cm^2
Find its height.

Model 2

First group Choose the correct answer from the given ones:

(1) The solid which has 1 flat face and 1 vertex is a _____

- a. sphere. b. cylinder. c. square pyramid. d. cone.

(2) In the opposite number line:

The length of $\overline{BC}$ = _____ units.



- a. $1\frac{1}{2}$ b. 2 c. $2\frac{1}{2}$ d. 3

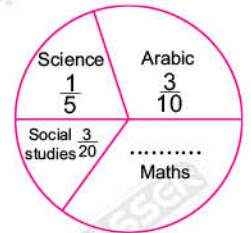
Second group Answer the following questions:

(1) Find the volume of a cuboid of base area 18 cm^2 and height 2 cm .

(2) The opposite figure shows the fractions of time that Enas spends in studying different subjects.

Find: (a) The decimal of the time that Enas spends in studying Maths. _____

(b) The measure of the central angle of science in degrees. _____

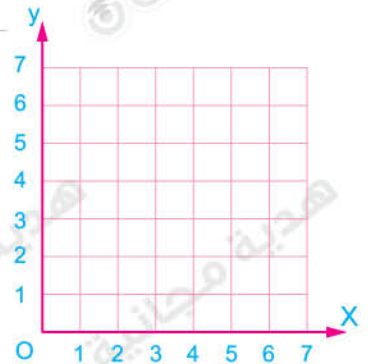


(3) In the opposite coordinate plane:

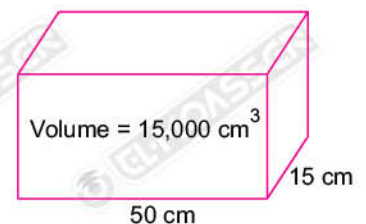
Graph the figure ABCD, where A (3,6), B (2,3), C (5,3), D (6,6).

(a) What is the name of the figure ABCD ?

(b) Find the length of $\overline{AD}$



(4) Find the height of the opposite cuboid.



Model 3

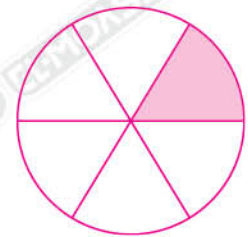
First group Choose the correct answer from the given ones:

(1) A cuboid has 2 horizontal layers and 12 cube units in each layer, then its volume = _____ cube units.

- a. 14 b. 24 c. 36 d. 48

(2) The measure of the central angle that represents the shaded sector is _____

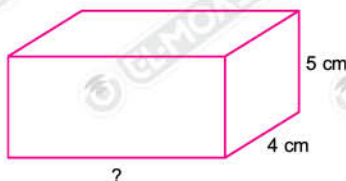
- a. 30° b. 50°
c. 60° d. 120°



Second group Answer the following questions.

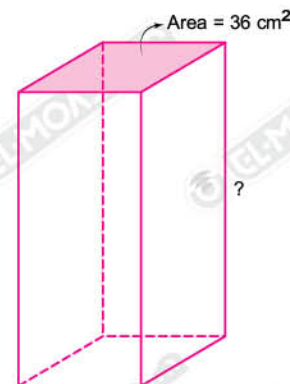
(1) Find the missing dimension in each of the following, where the volume is known:

a.



$$\text{Volume} = 400 \text{ cm}^3$$

b.



$$\text{Volume} = 360 \text{ cm}^3$$

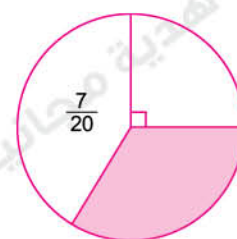
(2) Sara is selling bags of cookies to make extra money, she earns 10 L.E for each bag of cookies. Complete the following table, then graph the points on the coordinate grid.

Bags of cookies	2	4	5	6
Money earned in L.E.				



(3) In the opposite figure:

Find the missing fraction of the shaded sector of the pie chart.



(4) Use the opposite number line to answer the following questions.



a. Find the values of A and B.

b. Find the distance between the two points A and B.

Model 4

First group Choose the correct answer from the given ones:

(1) The measure of the central angle of the circular sector that represents

$\frac{1}{3}$ of the circle = _____°

a. 60 b. 90 c. 120 d. 150

(2) The solid which has 12 edges, 8 vertices and 6 faces is a _____

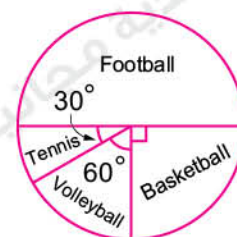
a. cube. b. cylinder. c. sphere. d. cone.

Second group Answer the following questions:

(1) In the opposite pie chart:

Complete the following table:

Sport	Football	Basketball	Volleyball	Tennis
Fraction	_____	_____	_____	_____

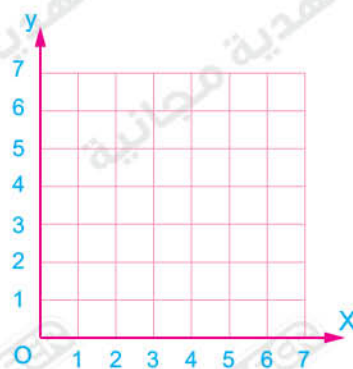


(2) Find the length of a cuboid of volume 480 cm^3 , width 4 cm and height 12 cm.

(3) In the opposite coordinate plane:

Graph the figure ABCD, where A (1, 5), B (1, 2),
C (6, 2), D (6, 5)

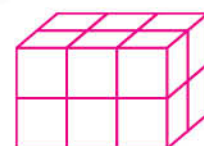
- What is the name of the figure ABCD? _____
- $\overline{AD} \parallel$ _____
- $AD =$ _____ length units.



(4) Use the opposite solid to answer the following questions.

- What is the name of the opposite solid ?

- What is the volume of it ?



Model 5

First group Choose the correct answer from the given ones:

(1) The values of the missing numbers in the table are _____

x values	3	6	9	12	15
y values	5	7	9	_____	_____

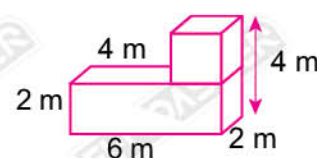
- 12, 14
- 11, 13
- 10, 12
- 11, 14

(2) The solid which has 8 vertices is a _____

- square pyramid.
- sphere.
- cuboid.
- cone.

Second group Answer the following questions.

(1) What is the volume of the given compound Shape ?

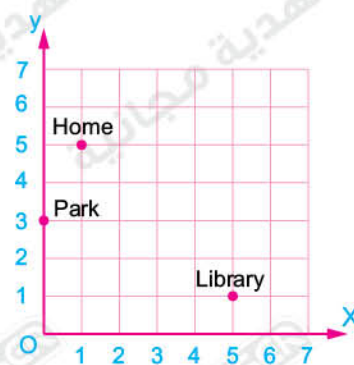


(2) Using the coordinate grid, name the ordered pairs that represent each of:

a. The home

b. The library

c. The park



(3) Use the number line to answer the following questions.

a. What is the values of each of A and B ?

b. How far is the point C from the point A ?

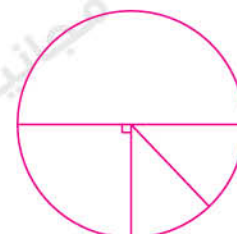


(4) The following table shows the favorite ice cream of a group of 80 pupils.

Ice Cream	Mango	Chocolate	Vanilla	Mastic
Frequency	40	_____	10	10

a. Complete the table.

b. Write the data on the opposite pie chart.



Answers of April Models

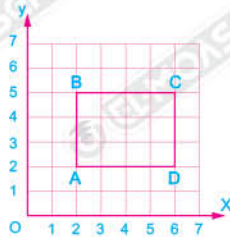
Model 1

First group

1. (a) 2. (b)

Second group

1.



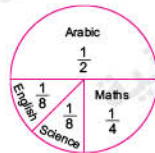
ABCD is a rectangle

2. Arabic = $\frac{12}{24} = \frac{1}{2}$

Maths = $\frac{6}{24} = \frac{1}{4}$

Science = $\frac{3}{24} = \frac{1}{8}$

English = $\frac{3}{24} = \frac{1}{8}$



3. a. Sphere b. Cylinder

4. The height = $\frac{\text{volume}}{\text{base area}} = \frac{600}{60} = 10 \text{ cm}$

Model 2

First group

1. (d) 2. (a)

Second group

1. The volume = base area $\times$ height

$$= 18 \times 2 = 36 \text{ cm}^3$$

2. a. The fraction for studying Maths

$$= 1 - \left[\frac{3}{10} + \frac{1}{5} + \frac{3}{20} \right]$$

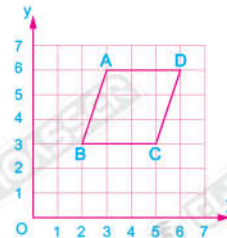
$$= 1 - \left[\frac{6}{20} + \frac{4}{20} + \frac{3}{20} \right] = \frac{20}{20} - \frac{13}{20}$$

$$= \frac{7}{20} = 0.35$$

b. The measure of the central angle of science

$$= \frac{1}{5} \times 360^\circ = 72^\circ$$

3.



a. ABCD is a parallelogram.

b. AD = 3 length units.

4. The height = $\frac{15,000}{50 \times 15} = 20 \text{ cm}$

Model 3

First group

1. (b) 2. (c)

Second group

1. a. $L = \frac{400}{4 \times 5} = 20 \text{ cm}$ b. $h = \frac{360}{36} = 10 \text{ cm}$

2.

Bags of cookies	2	4	5	6
Money earned in L.E.	20	40	50	60



3. The fraction which represents the quarter of a circle = $\frac{1}{4}$

The fraction of the shaded sector

$$= 1 - \left(\frac{7}{20} + \frac{1}{4} \right) = \frac{20}{20} - \left(\frac{7}{20} + \frac{5}{20} \right)$$

$$= \frac{20}{20} - \frac{12}{20} = \frac{8}{20} = \frac{2}{5}$$

4. a. A = 2 , B = 6 b. AB = 6 - 2 = 4

Model

4

First group

1. (c)

2. (a)

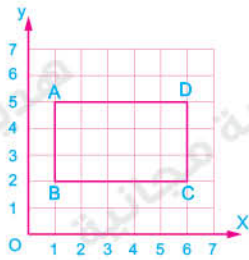
Second group

1.

Sport	Football	Basketball	Volleyball	Tennis
Fraction	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{6}$	$\frac{1}{12}$

2. $L = \frac{480}{4 \times 12} = 10 \text{ cm}$

3.



a. Rectangle

b. $\overline{AD} \parallel \overline{BC}$

c. 5 length units.

4. a. Cuboid

b. The volume = $3 \times 2 \times 2 = 12$ cube units.

Model

5

First group

1. (b)

2. (c)

Second group

1. The volume of the larger cuboid

$$= 6 \times 2 \times 2 = 24 \text{ m}^3$$

, the volume of the smaller cuboid

$$= 2 \times 2 \times 2 = 8 \text{ m}^3$$

, the total volume of the compound shape

$$= 24 + 8 = 32 \text{ m}^3$$

2. a. The home (1, 5)

b. The library (5, 1)

c. The park (0, 3)

3. a. $A = 3$, $B = 8$

b. 6 units.

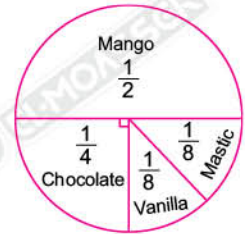
4. a. Chocolate = $80 - (40 + 10 + 10) = 20$

b. Mango = $\frac{40}{80} = \frac{1}{2}$

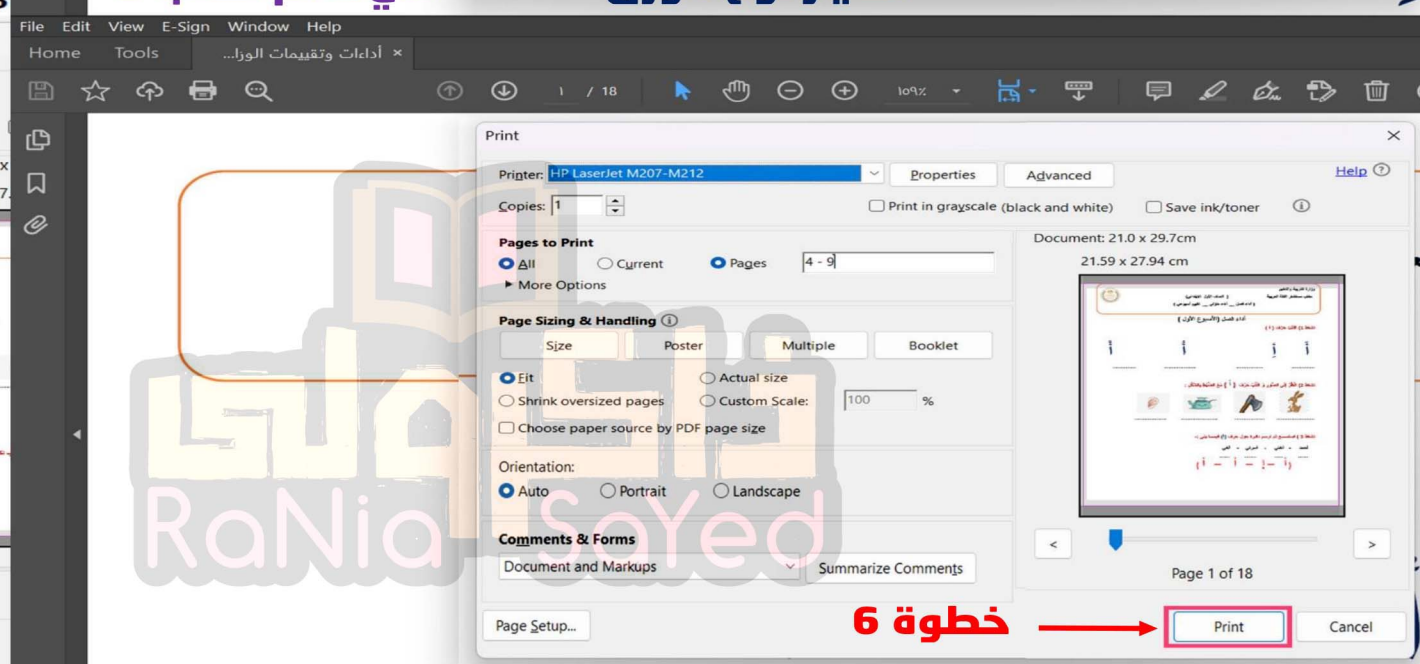
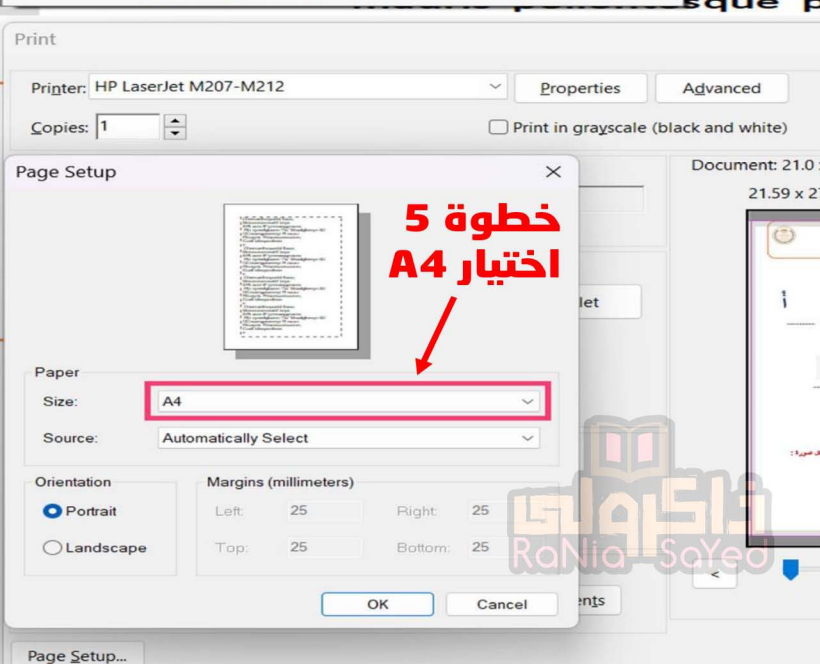
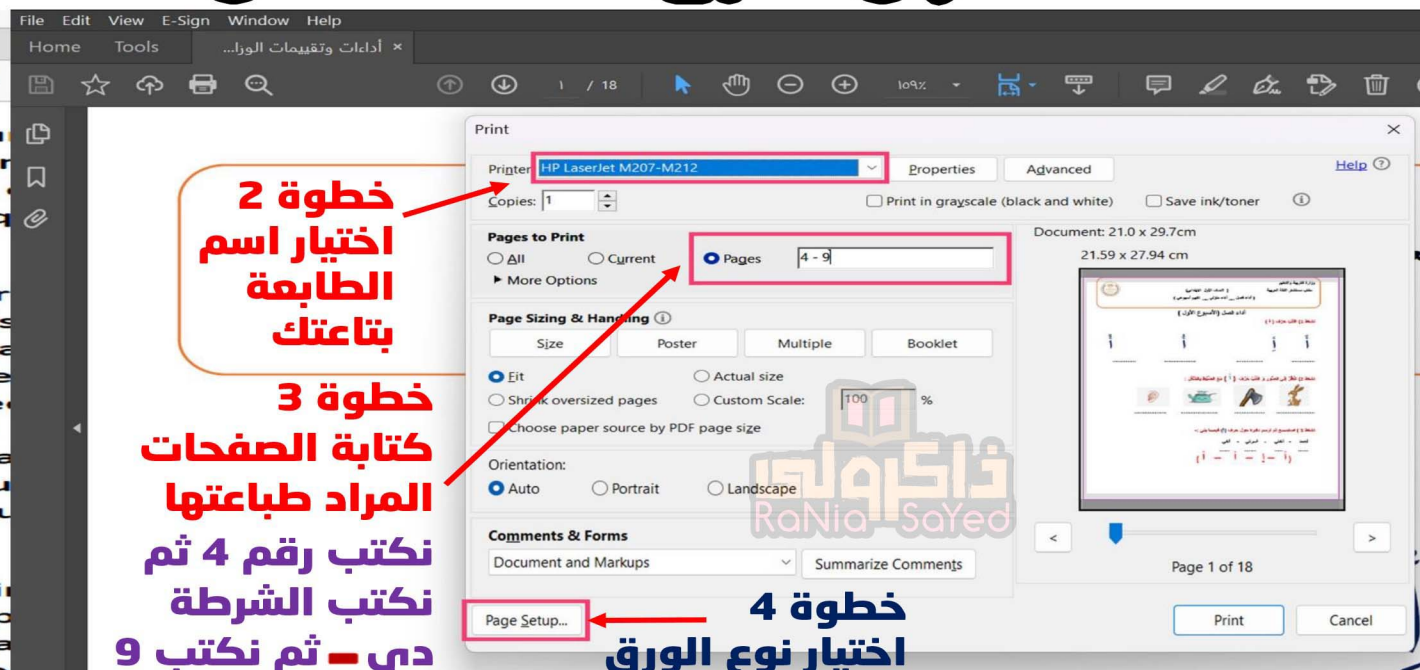
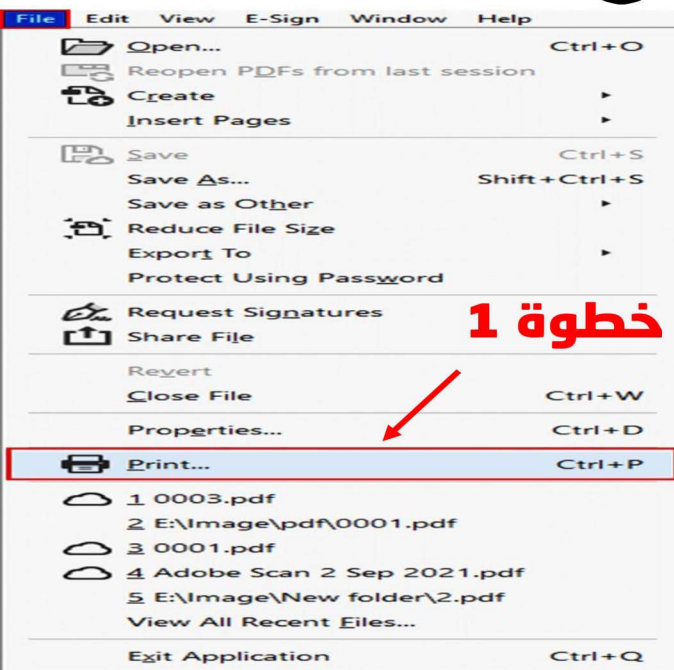
Chocolate = $\frac{20}{80} = \frac{1}{4}$

Vanilla = $\frac{10}{80} = \frac{1}{8}$

Mastic = $\frac{10}{80} = \frac{1}{8}$



كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الآن

مجاناً وحصرياً

المراجعة رقم (2)

اختبار شهر ابريل



First Choose the correct answer:

2

- 1 The number of equal sides in the isosceles triangle is
 a) 0 b) 2 c) 3 d) 1
- 2 A window of a rectangular shape with length 1 m and width $\frac{3}{4}$ m, then its area = m²
 a) $\frac{3}{4}$ b) $2\frac{3}{4}$ c) $1\frac{3}{4}$ d) 1

Second Answer each of the following:

8

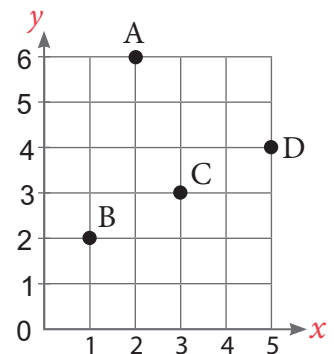
- 1 Write the ordered pair of the following points:

▶ A (..... ,)

▶ B (..... ,)

▶ C (..... ,)

▶ D (..... ,)



- 2 Determine the type of the triangle according to the following data:

a) A triangle with angle measures of (40° , 50° , and 90°)(.....)

b) A triangle with side lengths of (4 cm , 6 cm , and 8 cm) (.....)

- 3 Use the opposite number line to answer the questions:

a) What is the value of B?

b) How far is point C from point A?

- 4 Complete:

a) The name of solid: b) The number of faces:

c) The number of vertices: d) The number of edges:



First Choose the correct answer:

2

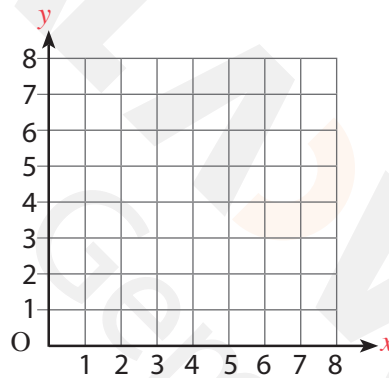
- 1 The origin point is
 a) (2, 0) b) (0, 4) c) (0, 0) d) (1, 1)
- 2 The equilateral triangle has equal sides.
 a) 0 b) 2 c) 3 d) 1

Second Answer each of the following:

8

- 1 Use the following coordinate plane to plot the points:

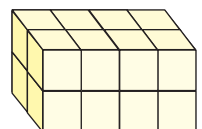
▶ A (1, 7) ▶ B (0, 3) ▶ C (4, 6) ▶ D (7, 0)



- 2 Complete:
 a) The Y-coordinate in the ordered pair (2, 7) is
 b) The X-coordinate in the ordered pair (5, 0) is
- 3 Mention the types of triangles according to the lengths of their sides.

- 4 Observe the following cuboid, then complete:

- a) The number of horizontal layers:
- b) The number of cubes in each horizontal layer:
- c) The volume = cubic units



First Choose the correct answer:

2

- 1 The volume of cuboid =
 a) $L \times W$ b) $H \times W$ c) $L \times W \times H$ d) $L \times L$
- 2 A quadrilateral that has only one pair of parallel sides is called a
 a) square b) trapezium c) rhombus d) kite

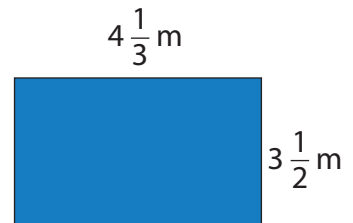
Second Answer each of the following:

8

- 1 Find the area of the opposite rectangle.

.....

.....



- 2 Write two properties for the rhombus.

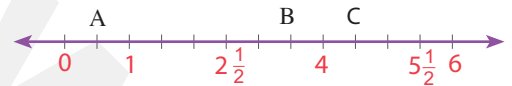
.....

- 3 Use the opposite number line to answer the following questions.

a) What is the value of B?

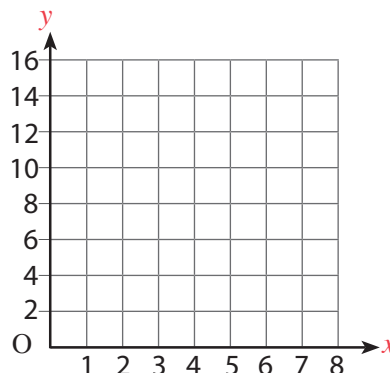
b) What is the value of C?

c) How far is point C from point A?



- 4 Use the following pattern to complete the table and represent on the coordinate plane, then join points:

x values	1	.....	3	4	5
y values	2	4	6	.....	.....



First Choose the correct answer:

2

- The number of equal sides in the isosceles triangle is
 a) 0 b) 2 c) 3 d) 1
- A window of a rectangular shape with length 1 m and width $\frac{3}{4}$ m, then its area = m^2
 a) $\frac{3}{4}$ b) $2\frac{3}{4}$ c) $1\frac{3}{4}$ d) 1

Second Answer each of the following:

8

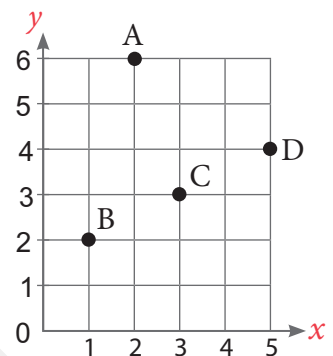
- Write the ordered pair of the following points:

▶ A (2 , 6)

▶ B (1 , 2)

▶ C (3 , 3)

▶ D (5 , 4)



- Determine the type of the triangle according to the following data:

a) A triangle with angle measures of (40° , 50° , and 90°) (Right-angled triangle)

b) A triangle with side lengths of (4 cm , 6 cm , and 8 cm) (Scalene triangle)

- Use the opposite number line to answer the questions:

a) What is the value of B? 5

b) How far is point C from point A? $10 - 1 = 9$ units

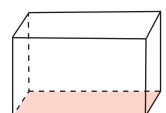
- Complete:

a) The name of solid: Cuboid

b) The number of faces: 6

c) The number of vertices: 8

d) The number of edges: 12



First Choose the correct answer:

2

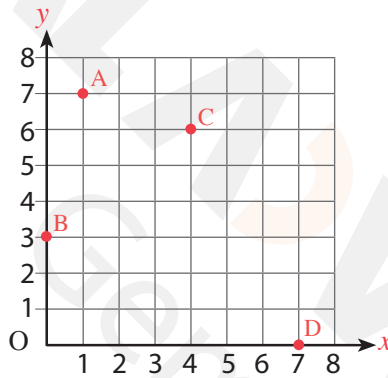
- 1 The origin point is
 - a) (2 , 0)
 - b) (0 , 4)
 - c) (0 , 0)
 - d) (1 , 1)
- 2 The equilateral triangle has equal sides.
 - a) 0
 - b) 2
 - c) 3
 - d) 1

Second Answer each of the following:

8

- 1 Use the following coordinate plane to plot the points:

▶ A (1 , 7) ▶ B (0 , 3) ▶ C (4 , 6) ▶ D (7 , 0)



- 2 Complete:

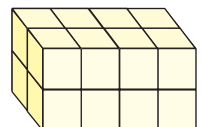
- a) The Y-coordinate in the ordered pair (2 , 7) is 7
- b) The X-coordinate in the ordered pair (5 , 0) is 5

- 3 Mention the types of triangles according to the lengths of their sides.

▶ Equilateral triangle ▶ Isosceles triangle ▶ Scalene triangle

- 4 Observe the following cuboid, then complete:

- a) The number of horizontal layers: 2
- b) The number of cubes in each horizontal layer: 8
- c) The volume = 16 cubic units



First Choose the correct answer:

2

- 1 The volume of cuboid =
 a) $L \times W$ b) $H \times W$ c) $L \times W \times H$ d) $L \times L$
- 2 A quadrilateral that has only one pair of parallel sides is called a
 a) square b) trapezium c) rhombus d) kite

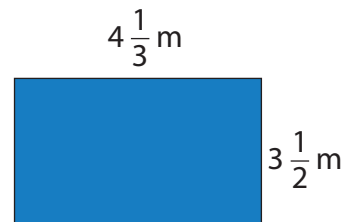
Second Answer each of the following:

8

- 1 Find the area of the opposite rectangle.

The area of rectangle = Length $\times$ Width

$$= 4\frac{1}{3} \times 3\frac{1}{2} = 15\frac{1}{6} \text{ m}^2$$



- 2 Write two properties for the rhombus.

► It has two pairs of parallel sides.

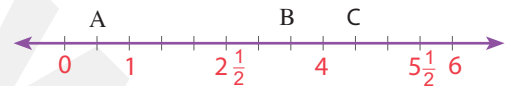
► It has four congruent sides.

- 3 Use the opposite number line to answer the following questions.

a) What is the value of B? $3\frac{1}{2}$

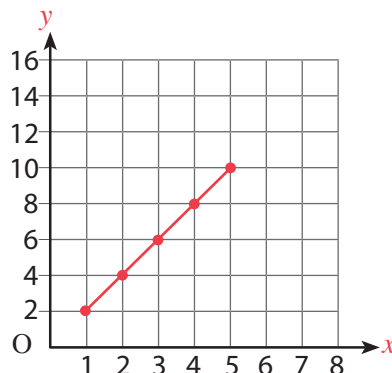
b) What is the value of C? $4\frac{1}{2}$

c) How far is point C from point A? $4\frac{1}{2} - \frac{1}{2} = 4 \text{ units}$



- 4 Use the following pattern to complete the table and represent on the coordinate plane, then join points:

x values	1	2	3	4	5
y values	2	4	6	8	10



حمل الآن

مجاناً وحصرياً

المراجعة رقم (3)

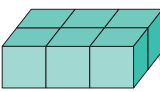
اختبار شهر ابريل



Model (1)



First Question 1 Choose the correct answer:

- (1) The pentagon has sides.
(a) 3 (b) 4 (c) 5 (d) 6
- (2) The measure of the right angle is °
(a) 60 (b) 90 (c) 120 (d) 180
- (3) The square has axes of symmetry
(a) 1 (b) 2 (c) 3 (d) 4
- (4) The value of the symbol A in the pattern (2,10), (3,15), (4,A), (5,25) is:
 (a) 20 (b) 30 (c) 40 (d) 50
- (5) The isosceles triangle has equal sides.
(a) 0 (b) 1 (c) 2 (d) 3
- (6) The number of edges of a cube is
(a) 3 (b) 5 (c) 6 (d) 12
- (7) The volume of  is cubic units.
(a) 6 (b) 8 (c) 10 (d) 12
- (8) Which of the following points lies on the x-axis?
 (a) (0, 6) (b) (6, 0) (c) (6, 4) (d) (6, 6)
- (9) The solid that has no edges, no faces, no vertices is called a
(a) cube (b) cuboid (c) sphere (d) cone

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Second Question 2 Answer the following:

- (1) Find the area of a rectangle whose length is 5 cm and width is $2\frac{1}{5}$ cm?

Area =

- (2) Use the number line to answer the questions:

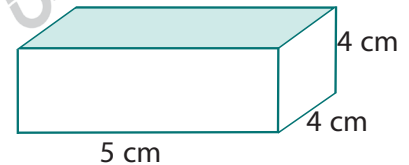


- a What is the value of A?
- b How far is point B from point A?
- c Mark point E at $7\frac{1}{2}$ on the number line.

- (3) Find the volume of the following solid.

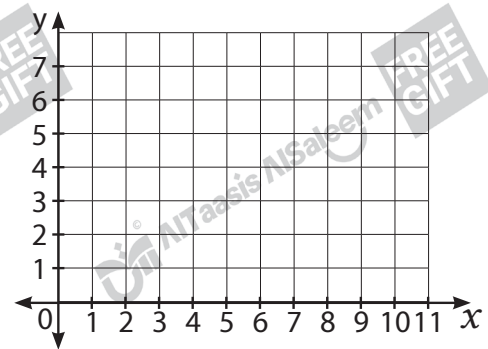


The volume =



- (4) In the opposite coordinate plane:

- a Plot the points
A (4,4) B (4,7)
C (7,7) D (7,4)
- b Connect the points in order
- c The name of polygon ABCD is



- (5) A rectangular prism is divided into 5 vertical slices, and each slice has 6 unit cubes.

Then the volume of the rectangular prism = cubic units.

- (6) A cuboid whose volume is 400 cm^3 and its base area is 40 cm^2 . Find its height.

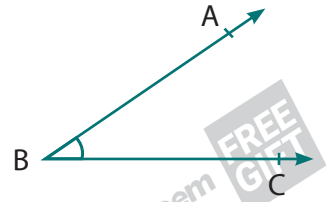
.....

(7) Complete the following:

(a) The name of the angle shown is

.....

(b) The type of the angle shown is



Model (2)



First Question 1 Choose the correct answer:

(1) The measure of an obtuse angle is the measure of a right angle

(a) < (b) > (c) = (d) otherwise

(2) On the opposite number line, the value of A =

(a) $1 \frac{1}{4}$ (b) $1 \frac{1}{2}$ (c) $2 \frac{1}{4}$ (d) $2 \frac{1}{2}$

(3) The volume of a cuboid is 800 cm^3 and its base area is 20 cm^2 , then its height is cm.

(a) 180 (b) 60 (c) 40 (d) 20

(4) The solid which has 5 vertices and 8 edges is a

(a) cube (b) cuboid (c) cone (d) square pyramid

(5) The x-coordinate in the ordered pair (2, 3) is

(a) 2 (b) 3 (c) 5 (d) 1

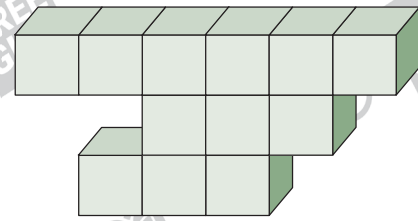
(6) The figure is called a

(a) angle (b) ray (c) straight line (d) line segment

(7) The has only one pair of parallel sides

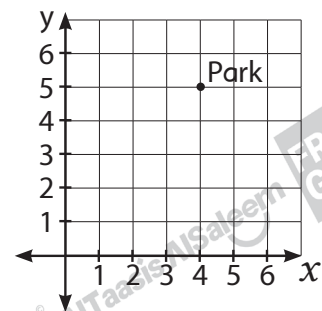
(a) trapezium (b) rhombus (c) square (d) parallelogram

- (8) The triangle with side lengths are is an equilateral triangle
 (a) 4, 5, 3 cm (b) 4, 3, 3 cm (c) 5, 5, 5 cm (d) 4, 4, 3 cm
- (9) Volume of the opposite figure
 = cubic units.
 (a) 3 (b) 6
 (c) 9 (d) 12

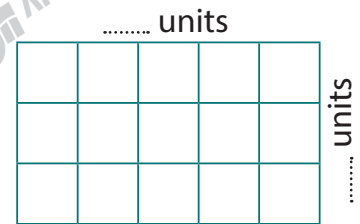


Second Question 2 Answer the following:

- (1) Using the opposite coordinate plane, determine the ordered pair that represents the park (.....,)



- (2) Calculate the number of unit squares to determine the area of the opposite rectangle:
 Area by counting = ☐
 Area using the formula =



- (3) What is the geometric shape that represents the base of a square pyramid?

- (4) A rectangular prism with base area 72 cm^2 , and height 5cm.
 Find its volume?

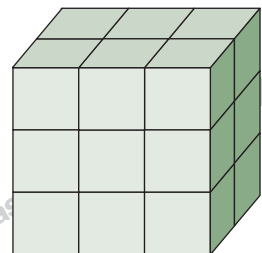
- (5) Observe the following figure and complete:

Number of horizontal layers = layers.

Number of cubes in each layer = cubes.

Volume of the rectangular prism = cm^3 .

(Note that the volume of each cube is 1 cubic cm).



- (6) What is the type of the opposite triangle according to its angle measures and side lengths?



- (7) Complete the table using the pattern, then answer the questions:



Value of x	3	6	.....	12	.....	18
Value of y	5	7	9	.....	13	.....

- a What is the amount of increase in the values of x, and the values of y?
- b If the value of $x = 21$, what is the value of y, and what is the ordered pair?

Model (3)



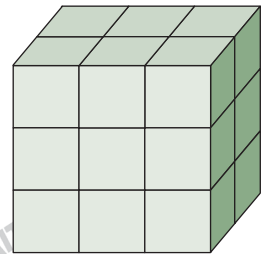
First Question 1 Choose the correct answer:

- (1) Which of the following is the unit of volume?
(a) m (b) m^2 (c) cm (d) m^3
- (2) The base of the cylinder is in the shape of a
(a) circle (b) triangle (c) rectangle (d) square
- (3) The quadrilateral is a polygon that has sides.
(a) 3 (b) 4 (c) 5 (d) 6
- (4) Which of the following points is located on the y-axis?
(a) (0, 2) (b) (2, 0) (c) (2, 3) (d) (2, 2)
- (5) In the following pattern (1, 6), (3, 9), (5, 12), (7, 15) the value of x increases by:
(a) 1 (b) 2 (c) 3 (d) 4
- (6) A triangle whose side lengths are: 3, 6 and 4 is called a triangle.
(a) equilateral (b) isosceles (c) scalene (d) otherwise

- (7) The vertical number line in a coordinate plane is called the
 (a) origin point (b) x-axis (c) y-axis (d) ordered pair
- (8) The number of edges of a cube = edges
 (a) 6 (b) 8 (c) 10 (d) 12
- (9) The volume of a cuboid = $\times$ height
 (a) length (b) width (c) height (d) base area

Second Question 2 Answer the following:

- (1) Find the number of horizontal layers in the opposite figure.

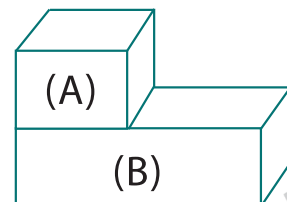


- (2) A window in the shape of a rectangle with a length of 2 m and a width of $\frac{1}{2}$ m, then its area =

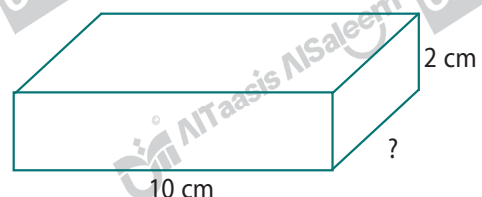
- (3) In the opposite number line:
The length of XY = units



- (4) If the volume of the opposite compound shape is 400 m^3 , and the volume of rectangular prism (B) is 260 m^3 , then find the volume of rectangular prism (A).



- (5) If the volume of the opposite rectangular prism is 100 cm^3 , find the unknown dimension.



(6) Use the opposite coordinate plane to:

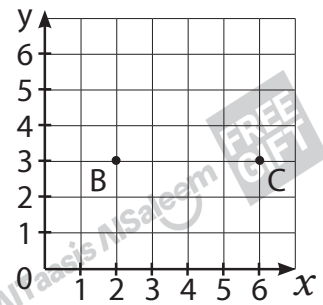
a Plot the points A (2 , 5), D (6 , 5)

b Write the ordered pairs that represent the points

B (.....), C (.....)

c Connect the points, then write the name of the shape.

The shape is



(7) A tank in the shape of a rectangular prism with internal dimensions of 8 m, 5 m, and 3 m.

Calculate the volume of water that fills half the tank.

Model (4)



First Question 1 Choose the correct answer:

(1) Any triangle has at least acute angles

- (a) 1 (b) 2 (c) 3 (d) 0

(2) The ordered pair that expresses the origin point is

-  (a) (1, 1) (b) (0, 0) (c) (0, 1) (d) (3, 0)

(3) The number of vertices of a square-based pyramid is

- (a) 4 (b) 5 (c) 6 (d) 8

(4) The number of axes of symmetry of a rectangle is

- (a) 0 (b) 1 (c) 2 (d) 4

(5) A rectangular prism with dimensions 5cm, 1cm, and 5cm. Its volume is cm^3

-  (a) 10 (b) 25 (c) 30 (d) 50

(6) In the ordered pair (5,2), the y-coordinate is

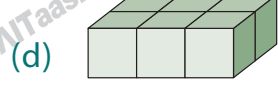
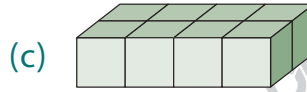
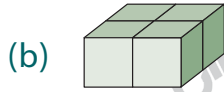
- (a) 14 (b) 9 (c) 5 (d) 2



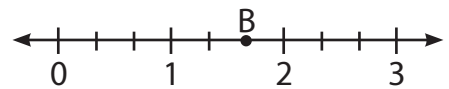
(7) If the volume of a rectangular prism is 180 cm^3 and its height is 6 cm, then the area of its base = cm^2

- (a) 15 (b) 30 (c) 18 (d) 6

(8) Which of the following has a volume of 8 cm^3



(9) On the number line, what is the value of point B?



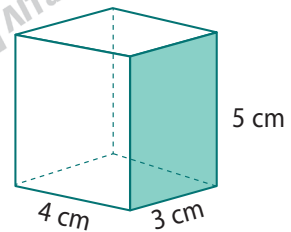
- (a) $\frac{2}{3}$ (b) $1\frac{1}{3}$ (c) $1\frac{2}{3}$ (d) $2\frac{1}{3}$

Second Question 2 Answer the following questions:

(1) Calculate the volume of the following shape:



Volume =



(2) Which rectangle has the greater area?

A rectangle **(A)** of width $3\frac{1}{2}$ m and length $5\frac{1}{3}$ m.

Or a rectangle **(B)** of length $4\frac{2}{3}$ m and width $4\frac{1}{2}$ m.

Area of a rectangle **(A)** =

Area of a rectangle **(B)** =

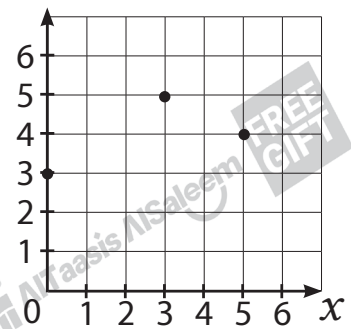
(3) Find the unknown dimension in the following figure if you know that the volume of the figure is 63 cm^3 .



(4) In the opposite coordinate plane:

a $A = (\dots\dots\dots, \dots\dots\dots)$, $B = (\dots\dots\dots, \dots\dots\dots)$ C = $(\dots\dots\dots, \dots\dots\dots)$

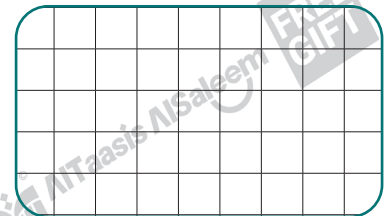
b Connect the points

c The name of figure ABC is $\dots\dots\dots$ 

- (5) A rectangular prism has a base area of 35 cm^2 and a height of 10 cm. Calculate its volume.

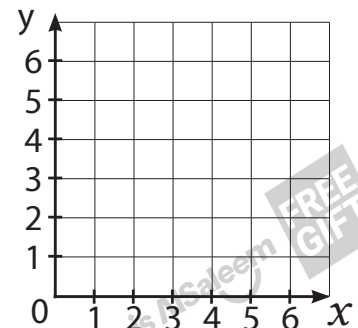
Volume = $\dots\dots\dots$

- (6) Draw a rectangle with dimensions $5 \text{ units} \times 2\frac{1}{2} \text{ units}$, then calculate and record the area

 $\dots\dots\dots$ 

(7) In the opposite coordinate plane:

-  Locate the points $(5, 6)$, $(0, 3)$, $(4, 0)$



Model (5)



First Question 1 Choose the correct answer:

- (1) On the grid, the X-coordinate of $(5, 7)$ is $\dots\dots\dots$

(a) 5

(b) 7

(c) 2

(d) 3

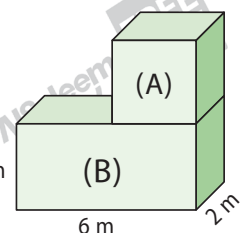
- (2) From the opposite compound shape, the length of the cube's edge (A) = $\dots\dots\dots$ m

(a) 2

(b) 4

(c) 6

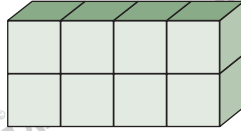
(d) 8



(3) The cylinder has circular bases.

- (a) 0 (b) 1 (c) 2 (d) 3

(4) The volume of the cuboid is



- (a) 4 (b) 8 (c) 6 (d) 12

(5) The number of symmetry lines of a parallelogram is

- (a) 0 (b) 1 (c) 2 (d) 3

(6) If the volume of a rectangular prism is 54 cm^3 and its base is a square with a side length of 3 cm, then its height = cm.

- (a) 3 (b) 6 (c) 9 (d) 12

(7) The polygon which has sides is called a hexagon

- (a) 1 (b) 2 (c) 5 (d) 6

(8) The number of faces of a rectangular prism-shaped box without a lid = faces

- (a) 4 (b) 5 (c) 6 (d) 8

(9) A rectangular prism has dimensions of 2 cm, 3 cm and 5 cm. Its volume is cm^3

- (a) 10 (b) 30 (c) 25 (d) 50

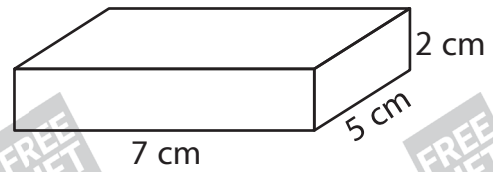
Second Question 2 Answer the following questions:

(1) Find the area of a rectangle with a length $\frac{2}{7}$ m and a width $\frac{7}{10}$ m.

- (2) In the opposite figure.

Its name is

Its volume is

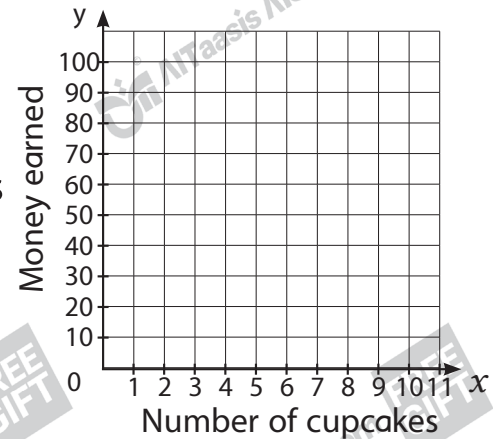


- (3) Rahma sells cupcakes, and earns 10 L.E. for each one she sells.



Complete the table, then graph the points on the coordinate plane.

Number of cupcakes	2	4	5	6	7
Money earned (L.E.)	.....	.....	.....	.....	.....

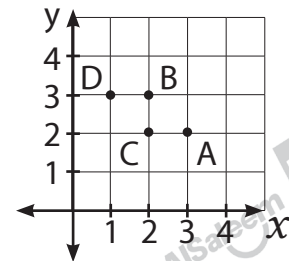


- (4) On the number line shown, the distance from the point A to the point B = units.

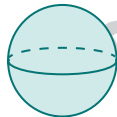
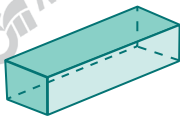


- (5) Which point has the coordinates (1, 4)?

The point

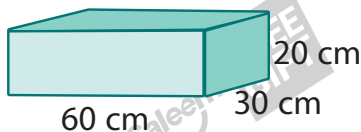


- (6) Circle the solid figures that have 6 faces and 12 edges

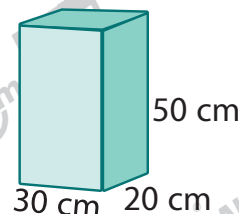


- (7) Which of the following figures has the greater volume?

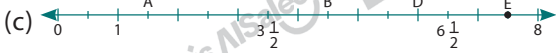
a



b



Model (1)

- (1) c (2) b (3) d (4) a (5) c
(6) d (7) a (8) b (9) c
- (1) $A = L \times W = 5 \times 2 \frac{1}{5} = 5 \times \frac{11}{5} = 11 \text{ cm}^2$
(2) (a) $1 \frac{1}{2}$ (b) 3 units.
(c) 
(3) The volume = $l \times w \times h = 5 \times 4 \times 4 = 80 \text{ cm}^3$
(4) (a), (b) Answer by yourself. (c) square
(5) $V = 5 \times 6 = 30$
(6) Height = $\frac{\text{Volume}}{\text{Base area}} = \frac{400}{40} = 10 \text{ cm}$
(7) $< ABC$ or $< CBA$ or $< B$, acute angle

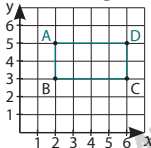
Model (2)

- (1) b (2) b (3) c (4) d (5) a
(6) c (7) a (8) c (9) b
- (1) park (4, 5)
(2) Number of units = 15 
Area = length $\times$ width = $3 \times 5 = 15$ square units.
(3) square.
(4) The volume = base area $\times$ height
 $= 72 \times 5 = 360 \text{ cm}^3$
(5) Number of horizontal layers = 3 layer
Number of cubes in each layer = 6 cube
Volume of the rectangular prism = $3 \times 6 = 18$ cubic cm.
(6) Scalene, obtuse-angled triangle
(7)

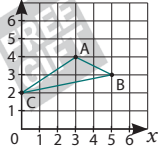
Value of x	3	6	9	12	15	18
Value of y	5	7	9	11	13	15

(a) x increases by 3, y increases by 2
(b) $y = 17, (21, 17)$

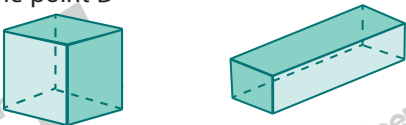
Model (3)

- (1) d (2) a (3) b (4) a (5) b
(6) c (7) c (8) d (9) d
- (1) It has 3 horizontal layers.
(2) Area = Length $\times$ width = $2 \times \frac{1}{2} = 1 \text{ m}^2$
(3) The length of $\overline{XY} = 2$ units length
(4) The volume of rectangular prism (A)
 $= 400 - 260 = 140 \text{ m}^3$
(5) Width = $\frac{\text{Volume}}{\text{Length} \times \text{Height}} = \frac{100}{10 \times 2} = \frac{10}{2} = 5 \text{ cm}$
(6) (a) 
(b) B (2, 3), C (6, 3) (c) rectangle
(7) Total volume of water = $8 \times 5 \times 3 = 120 \text{ m}^3$
volume of water that fills half the tank = $120 \div 2 = 60 \text{ m}^3$

Model (4)

- (1) b (2) b (3) b (4) c (5) b
(6) d (7) b (8) c (9) c
- (1) Volume = length $\times$ width $\times$ height = $4 \times 3 \times 5 = 60 \text{ cm}^3$
(2) Area of rectangle (A) = $L \times w = 3 \frac{1}{2} \times 5 \frac{1}{3}$
 $= \frac{7}{2} \times \frac{16}{3} = \frac{56}{3} = 18 \frac{2}{3}$
Area of rectangle (B) = $L \times w = 4 \frac{2}{3} \times 4 \frac{1}{2}$
 $= \frac{14}{3} \times \frac{9}{2} = 21$
The rectangle (B) is greater ($21 > 18 \frac{2}{3}$)
(3) Length = $\frac{\text{Volume}}{\text{Width} \times \text{height}} = \frac{63}{3 \times 3} = \frac{63}{9} = 7 \text{ cm}$
(4) (a) A = (3, 4), B = (5, 3), C = (0, 2)
(b) 
(c) a triangle
(5) Volume = base area $\times$ height = $35 \times 10 = 350 \text{ cm}^3$
(6) Area = Length $\times$ width =
 $A = 5 \times 2 \frac{1}{2} = 5 \times \frac{5}{2} = \frac{25}{2}$
 $= 12 \frac{1}{2}$ square units.
(7) Answer by yourself.

Model (5)

- (1) a (2) a (3) c (4) b (5) a
(6) b (7) d (8) b (9) b
- (1) Area = Length $\times$ width =
 $A = \frac{2}{7} \times \frac{7}{10} = \frac{1}{5} \text{ m}^2$
(2) Its name is rectangular prism
Its volume = length $\times$ width $\times$ height
 $= 7 \times 5 \times 2 = 70 \text{ cm}^3$
(3) 20 - 40 - 50 - 60 - 70
(4) 
point B = 3 units.
(5) The point D
(6) 
(7) (a) volume = length $\times$ width $\times$ height
 $V = 60 \times 30 \times 20 = 36,000 \text{ cm}^3$
(b) volume = length $\times$ width $\times$ height
 $V = 30 \times 20 \times 50 = 30,000 \text{ cm}^3$
volume of Figure (a) is the greater.

حمل الآن

مجاناً وحصرياً

المراجعة رقم (4)

اختبار شهر ابريل

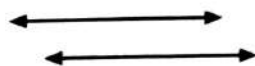
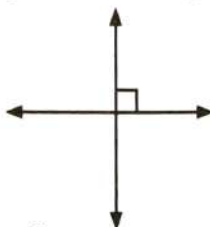
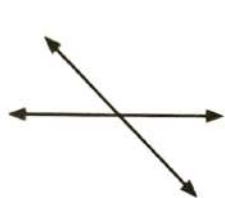


Lesson 1 : Categories of Shapes

Week (7)

Date: / /

Class performance

Activity (1): "Journey of Lines:Which ones Intersects, Which ones is Perpendicular, and Which ones is Parallel?"Write the appropriate relationship below each pair of lines:

a) Two lines are b) Two lines are c) Two lines are

Activity(2): "What is Your Angle?"Write the appropriate angle type:

a) Angle

b) Angle

c) Angle

Activity(3): "Shape Challenge: Who Matches the Description?"Write the name of the geometric shape that the properties apply to:

- A quadrilateral with only one pair of parallel sides.
- A parallelogram with all sides equal in length, all angles right angles, and has 4 lines of symmetry.
- A parallelogram with all angles right angles and has 2 lines of symmetry.

Home performance: (Home Work) :

Answer the following questions:

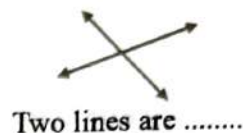
- 1) Write the number of lines of symmetry for each of: Parallelogram – Rectangle – Square – Rhombus.

2) What is the common subcategory between the rectangle and the square?

3) What is the common subcategory between the square and the rhombus?

4) Mention the type of the opposite angle.

5) Write the relationship between the two straight lines



Lesson 2 : Tricky Triangles

Week (8)

Date: / /

Class performance

Activity (1): "Angle and Measure... Do You Know Its Type?"

Write the type of angle according to its measure:

a) An angle whose measure is greater than 0° and less than 90° is an angle.

b) An angle whose measure is equal to 90° is a angle.

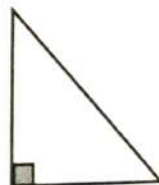
Activity (2): "A Trip inside the Triangle's Angles"

Determine the types of angles

in the opposite triangle then write its type according to its angles.

Types of Angles

Type of Triangle:

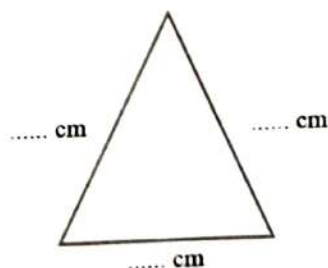


Activity (3): "Triangles in a Sides Race"

Measure the side lengths of the opposite triangle

then write its type according to its side lengths:

Type of Triangle:



Home performance: (Home Work)

Answer the following questions:

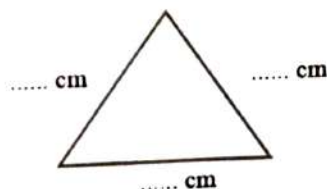
1) What are the types of triangles according to their side lengths?

2) What are the types of triangles according to their angle measures?

3) Determine the type of triangle whose side lengths are 5 cm, 3 cm, and 4 cm according to its side lengths.

(4) How many acute angles are there in an equilateral triangle?

(5) Measure the side lengths of the opposite triangle and determine its type according to its side lengths and angle measures.



Lesson 3 : Using Tiling to Calculate Area

Week (8)

Date: / /

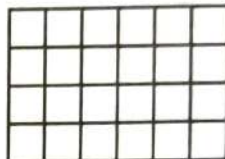
Class performance

Activity (1): "How many squares are inside the rectangle?"

Calculate the number of unit squares
to determine the area of the opposite rectangle:

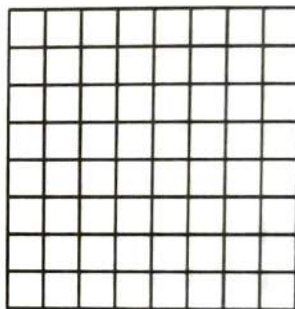
a) Number of unit squares =

b) Area of the rectangle = square units

**Activity (2): "A Rectangle of Your Making: How many squares does it contain?"**

Draw a model of a rectangle with a length
of 4 units and a width of 3 units, then find its area:

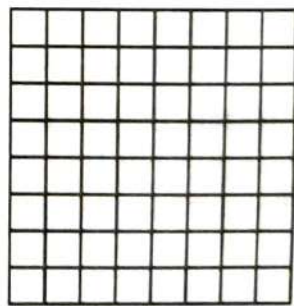
Area of the rectangle = Square units

**Activity (3): "Area of the Rectangle
with Fractional Dimensions:****Draw and Calculate"**

Draw a model of the rectangle with dimensions

$4\frac{1}{2}$ units $\times$ $3\frac{1}{2}$ units then find its area.

Area of the rectangle = square units



Home performance: (Home Work)

Answer the following questions:

1) Calculate the number of unit squares
to determine the area of the opposite rectangle.

2) Draw a rectangle
with an area of 12 square units.



3) Draw a model of a rectangle with a length of $5\frac{1}{2}$ units and a width of $3\frac{1}{2}$ units,
then find its area.

- 4) Draw a model of a rectangle with a length of 5 units and a width of 3 units, then find its area.
- 5) Draw a model of the rectangle with dimensions 5 units $2\frac{1}{2}$ units, then find its area.

Lesson 4 : Applying the Area Formula

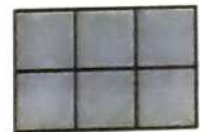
Week (8)

Date: / /

Class performance

Activity (1): "Calculate the Total Area"

In front of you is a rectangle divided into squares, the side length of each is $1\frac{1}{2}$ centimeter. What is the total area of the rectangle?

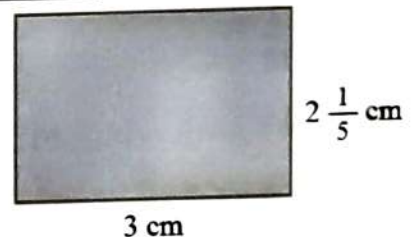


Area of the rectangle =

Activity (2): "Multiply to Find the Area"

What is the area of the opposite rectangle?

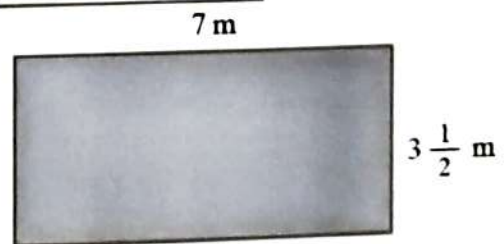
Area of the rectangle =



Activity (3): "My New Room, What is Its Area?"

Ahmed wants to cover the room floor with new tiles and wants to know the area of the floor. Its dimensions are shown. Help Ahmed find the area:

Area of the floor =



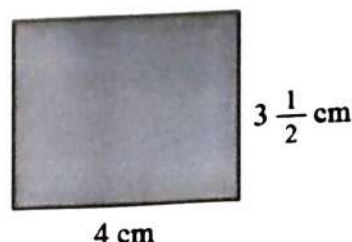
Home performance: (Home Work)

Answer the following questions:

1) Find the area of the opposite rectangle if you know that the side length of each square is $2\frac{1}{2}$ unit.



2) Find the product in simplest form: $2\frac{1}{4} \times 2\frac{1}{3}$



3) What is the area of the opposite rectangle?

- 4) A rectangular plot of land. Its length is $2\frac{3}{4}$ meters and its width is $1\frac{1}{3}$ meters.
What is its area?
- 5) A flower garden with a length of 6 meters and a width of $\frac{3}{4}$ meters.
What is the area of the garden?

End of the first month exercises

First: Choose the correct answer:

- 1) The fraction that is equivalent to the fraction $\frac{16}{20}$ is
- a) $\frac{3}{10}$ b) $\frac{12}{20}$ c) $\frac{4}{5}$ d) $\frac{3}{5}$
- 2) Least Common Multiple (LCM) of the denominators
in the following fractions $\frac{5}{9}$, $\frac{1}{6}$ is
- a) 6 b) 9 c) 18 d) 60
- 3) $\frac{1}{5} + \frac{3}{10} = \dots\dots\dots$
- a) $\frac{1}{2}$ b) $\frac{5}{20}$ c) $\frac{4}{15}$ d) $\frac{5}{10}$
- 4) $\frac{1}{6} - \frac{1}{3} = \dots\dots\dots$
- a) $\frac{0}{4}$ b) $\frac{4}{6}$ c) $\frac{1}{6}$ d) $\frac{4}{24}$
- 5) $\frac{1}{5} + \frac{1}{7} = \dots\dots\dots$
- a) $\frac{2}{35}$ b) $\frac{12}{35}$ c) $\frac{2}{12}$ d) $\frac{1}{35}$
- 6) $\frac{1}{4} + \frac{1}{4} + 1 = \dots\dots\dots$
- a) $\frac{2}{4}$ b) $\frac{3}{4}$ c) $1\frac{3}{4}$ d) $1\frac{1}{2}$
- 7) $\frac{1}{5} + \frac{2}{5} + 3 = \dots\dots\dots$
- a) $\frac{6}{5}$ b) $\frac{3}{5}$ c) $3\frac{2}{5}$ d) $3\frac{3}{5}$
- 8) $1 - \frac{2}{6} - \frac{3}{6} = \dots\dots\dots$
- a) $\frac{1}{6}$ b) $\frac{2}{6}$ c) $\frac{3}{6}$ d) $\frac{4}{6}$

9) $\frac{4}{9} + 2 + \frac{1}{9} + 4 = \dots\dots\dots$

(a) $6\frac{3}{9}$

b) $6\frac{5}{9}$

c) $6\frac{1}{9}$

d) $2\frac{3}{9}$

10) Common denominator of these two fractions: $\frac{2}{3}$, $\frac{5}{7}$ is

(a) 3

b) 7

c) 10

d) 21

11) The two equivalent fractions of two fractions $\frac{27}{36}$, $\frac{6}{24}$ are

(a) $\frac{3}{4}$, $\frac{1}{4}$

b) $\frac{3}{5}$, $\frac{1}{4}$

c) $\frac{3}{4}$, $\frac{1}{3}$

d) $\frac{3}{4}$, $\frac{1}{2}$

12) $5\frac{1}{2} + 1\frac{3}{10} = \dots\dots\dots$

(a) $6\frac{4}{6}$

b) $6\frac{1}{10}$

c) $6\frac{2}{10}$

d) $6\frac{4}{5}$

13) $\frac{5}{8} - \frac{1}{4} = \dots\dots\dots$

a) $\frac{1}{8}$

b) $\frac{2}{8}$

c) $\frac{3}{8}$

d) $\frac{4}{4}$

14) The improper fraction $\frac{25}{4}$ is equivalent

a) 6

b) 7

c) $6\frac{1}{4}$

d) $1\frac{1}{6}$

15) $\frac{1}{7} \times \dots\dots\dots = 2$

a) 35

b) 28

c) 21

d) 14

16) $3 \div \frac{1}{5} = \dots\dots\dots$

a) $\frac{1}{5}$

b) $\frac{1}{15}$

c) 15

d) $\frac{3}{5}$

17) Ibrahim bought 20 pieces of chocolate and gave them to his classmates $\frac{3}{5}$ Number of pieces. Then The number of pieces he gave: To his classmates = pieces

a) 10

b) 12

c) 8

d) 15

18) There are 3 bags of rice, the mass of each bag $\frac{2}{3}$ kg what the total mass of the rice is? The calculation that can be used to represent the situation is

a) Addition

b) Subtraction

c) Multiplication

d) Division

19) The shape  represents

a) Line segment

b) Ray

c) Polygon

d) Straight line

20) A quadrilateral with sides of equal length and angles that are not right angles is a

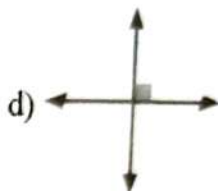
a) Rectangle

b) Square

c) Rhombus

d) Trapezoid

21) The figure represents two perpendicular straight lines



22) An angle whose measure is greater than 0° and less than 90° is a angle.

a) Right

b) Acute

c) Obtuse

d) Straight

23) A triangle with side lengths of 6 cm, 4 cm, and 3 cm is called Triangle according to its side lengths.

a) Right angle

b) Isosceles

c) Scalene

d) Equilateral

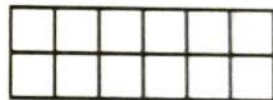
24) The area of the opposite rectangle = square units

a) 6

b) 12

c) 14

d) 16



Second: Answer the following:

1) Write 3 fractions equivalent to the fraction $\frac{3}{7}$

2) Using a fraction wall, find the result of: $\frac{1}{3} + \frac{1}{4}$

4) Find the result of the following: $\frac{7}{12} - \frac{1}{7}$

5) Find the result of the following: $2 + \frac{1}{5} + \frac{1}{2}$

6) Find the result of the following: $1 - \frac{1}{7} - \frac{1}{2}$

7) Write the two fractions with a common denominator using

equivalent fractions $\frac{5}{15}$, $\frac{14}{21}$

8) Write the two fractions with a common denominator using: $1\frac{1}{8} + 2\frac{1}{4}$

9) Subtract the following two fractions using models: $3\frac{5}{6} - 1\frac{1}{3}$

10) Use the distributive property to find the product, and put the result in its simplest form:

a) $1\frac{1}{2} \times \frac{2}{3}$

b) $2\frac{2}{5} \times \frac{2}{3}$

c) $\frac{3}{8} \times 2\frac{1}{2}$

11) Find the product in its simplest form using improper fractions:

a) $1\frac{2}{3} \times 4\frac{2}{5}$

b) $2\frac{1}{3} \times 1\frac{5}{7}$

c) $3\frac{1}{3} \times 5\frac{1}{2}$

12) Farah has $2\frac{1}{3}$ bags of rice. each bag contains $1\frac{5}{7}$ kg of rice.

How much rice does Farah have?

13) Amal bought $2\frac{1}{3}$ kg of oranges. The price per kilogram is $10\frac{1}{2}$ pounds.

What is the total amount that Amal pays?

14) Use models to find the product in its simplest form.

A) $2 \div 3 = \dots\dots\dots$

B) $3 \div 2 = \dots\dots\dots$

C) $3 \div 5 = \dots\dots\dots$

15) Find the quotient as an improper fraction and put it in its simplest form using the division algorithm.

a) $5\overline{)12}$

b) $3\overline{)11}$

c) $5\overline{)14}$

16) Write the unknown number in each equation:

a) $\frac{1}{9} \div a = \frac{1}{45}$

b) $b \times \frac{1}{9} = \frac{1}{45}$

17) Use the models to find the quotient in its simplest form:

a) $\frac{1}{7} \div 2 = \dots\dots\dots$

b) $\frac{1}{4} \div 3 = \dots\dots\dots$

18) Use the models to find the quotient in its simplest form:

a) $2 \div \frac{1}{3} = \dots\dots\dots$

b) $4 \div \frac{1}{3} = \dots\dots\dots$

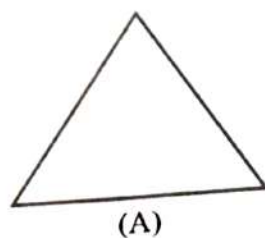
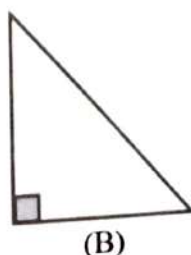
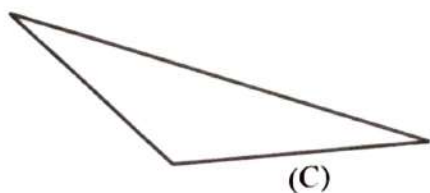
19) Write the unknown number in each equation: a) $8 \div a = 24$ b) $b \times 8 = 24$

20) A quadrilateral has only one pair of parallel sides. What is it?

21) A polygon has four sides of equal length and 4 right angles. What is it?

22) Write the number of lines of symmetry for each of the following: square, rhombus, rectangle, and parallelogram.

23) In the following, write the type of each triangle according to their angle measures and their side lengths



- 24) Draw a rectangle with an area of 16 square units.
- 25) Draw a model of a rectangle with a length of 6 units and a width of 4 units, then find its area
- 26) Draw a model of a rectangle with dimensions $3 \text{ units} \times 3\frac{1}{2} \text{ units}$, then find its area
- 27) Find the area of the rectangle opposite

if you know the side length of each square $1\frac{1}{2} \text{ units}$



- 28) A rug with a length of 3 meters and a width of $\frac{3}{4}$ meters.

What is the area of the rug?

Lesson 5 : Introduction to Coordinate Planes

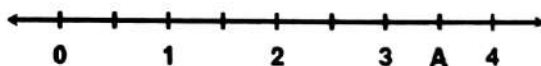
Week (9)

Date: / /

Class performance

Activity (1): The Number Line Speaks — What Is the Value of the Point?

Use the horizontal number line to answer the questions.



What is the value of point A?

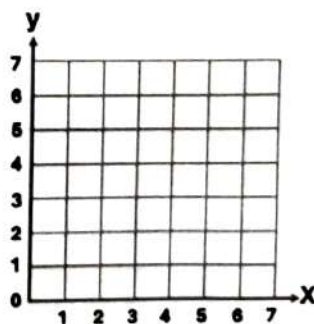
Activity 2: Step by Step — Locate Yourself on the Coordinate Plane

On the coordinate plane:

Start from the origin, move 3 units to the right horizontally on the X-axis, then 4 units upward in a direction parallel to the Y-axis.

Identify the name of the point located here.

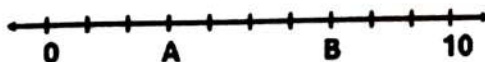
The point is =



Home performance: (Home Work)

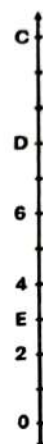
Answer the following questions:

- 1) Use the horizontal number line to determine the value of points A and B.



2) Use the vertical number line to determine how far point D is from point E.

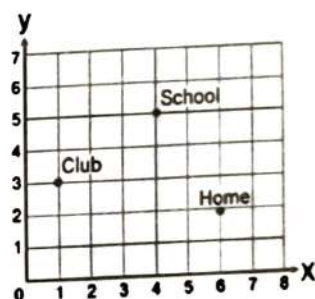
3) Use the vertical number line to determine the value of point C.



In the opposite coordinate plane:

4) Start at the origin, move 4 units to the right horizontally on the X-axis, then 5 units upward vertically in a direction parallel to the Y-axis. Identify the building located at this point.

5) Start at the origin, move 5 units to the right horizontally on the X-axis, then 2 units upward vertically in a direction parallel to the Y-axis. Identify the building located at this point.



Lesson 6 : Plotting Points on a Coordinate Plane

Week (9)

Date: / /

Class performance

Activity (1): A Journey into the World of Coordinate Plane Points

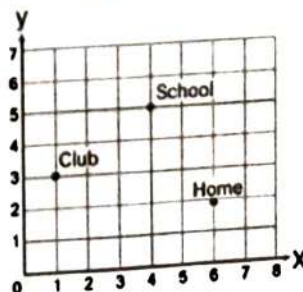
Complete the following:

- The point (5, 0) lies on the.....
- The point (0, 6) lies on the.....
- In the ordered pair (... , ...), the X-coordinate is 2 and the Y-coordinate is 3.

Activity (2): Point Hunt – Who Finds the Ordered Pair First?

Using the opposite coordinate plane, determine the ordered pair that represents:

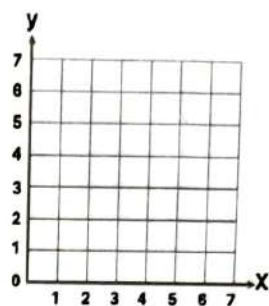
- The home:
- The school:
- The club:



Activity 3: A Journey Through Points – Where Are You on the Coordinate Plane?

On the opposite coordinate plane, identify the following points:

- $(3, 7)$
- $(6, 2)$
- $(0, 5)$



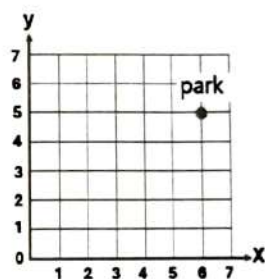
Home performance: (Home Work)

Answer the following questions

- Determine the location of each of the points $(3, 0)$ and $(0, 5)$ on the coordinate plane.
- What is the ordered pair whose X-coordinate is 9 and Y-coordinate is 7?
- Start at the origin, move 4 units to the right horizontally on the X-axis, then 6 units vertically in a direction parallel to the Y-axis.

Identify the ordered pair representing the location of the point.

- Using the opposite coordinate plane, determine the ordered pair that represents the park.
- Using the opposite coordinate plane, identify the points: $(2, 3)$ and $(1, 1)$.



Lesson 7 : Coordinate Designs

Week (9)

Date: / /

Class performance

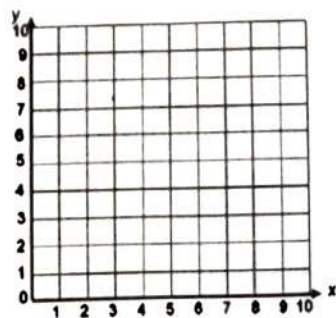
Activity (1): Treasure Hunt on the Coordinate Grid

With your classmate, locate the following points on the coordinate grid:

A $(2, 3)$, B $(2, 6)$, C $(5, 6)$, D $(5, 3)$

Then connect the points in order to reveal the treasure.

Finally, write the name of the resulting shape.



Activity (2): Who Can Draw My Character First?

(Work with your classmates) Identify the following points: (1, 1), (1, 4), (3, 4) connect the points on the coordinate grid and identify the name of the resulting shape.

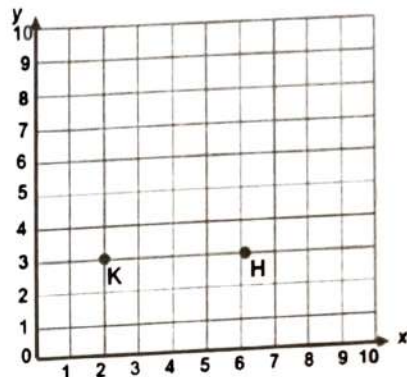
Home performance: (Home Work)

1) Identify the following points on the coordinate grid:

A (3, 2), B (3, 5), C (6, 5), D (6, 2).

Using the coordinate grid shown,
answer the following questions:

- 2) Write the ordered pair for points K and H.
- 3) Draw a line segment connecting the two points.
- 4) Place point E on the coordinate grid so that a right triangle is formed.
- 5) Determine the ordered pair for point E.



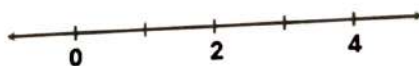
Weekly Assessment – Week (9)

Model (A)

First: Choose the correct answer:

1) Using the horizontal number line, the value of the distance between each two consecutive marks is =

- a) 1 b) $\frac{1}{2}$ c) $1\frac{1}{2}$ d) $\frac{1}{3}$



(2) Which of the following points lies on the Y-axis?

- a) (3, 0) b) (2, 3) c) (0, 9) d) (2, 2)

Second: answer the following questions:

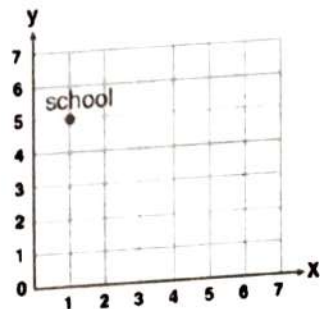
1) a rectangle has a length of $1\frac{1}{3}$ cm and a width of $\frac{1}{3}$ cm. find its area.

2) Using the opposite coordinate plane, determine the ordered pair that represents the school.

3) With your classmate, Plot the following points on the coordinate grid:

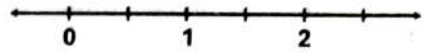
A (2, 3), B (2, 6), C (5, 6), D (5, 3),

then connect the points in order and state the name of the resulting shape.



Model (B)**First: Choose the correct answer:**

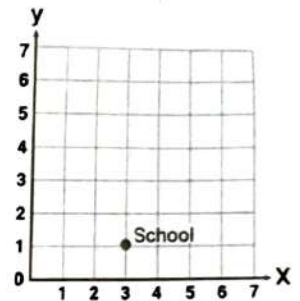
- 1) Using the horizontal number line, the value of the distance between each two consecutive marks is =



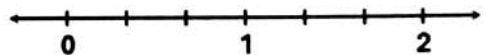
- a) 1 b) $\frac{1}{2}$ c) $1\frac{1}{2}$ d) $\frac{1}{3}$
- 2) Which of the following points lies on the X-axis?
a) (5, 0) b) (4, 1) c) (0, 7) d) (3, 3)

Second: answer the following questions:

- 1) A rectangle has a length of $2\frac{1}{5}$ cm and a width of $\frac{1}{5}$ cm. find its area.
- 2) Using the opposite coordinate plane, Determine the ordered pair that represents the school.
- 3) Plot the following points: (1, 1), (1, 4), (3, 4), then connect the points on the coordinate grid and state the name of the resulting shape.

**Model (C)****First: Choose the correct answer:**

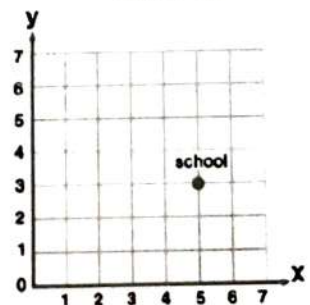
- 1) Using the horizontal number line, the value of the distance Between each two consecutive marks is =



- a) 1 b) $\frac{1}{2}$ c) $1\frac{1}{2}$ d) $\frac{1}{3}$
- 2) X-axis and the Y-axis intersect at the point
a) (7, 0) b) (0, 0) c) (0, 3) d) (1, 1)

second: answer the following questions:

- 1) A rectangle has a length of $1\frac{1}{5}$ cm and a width of $\frac{1}{5}$ cm. find its area.
- 2) Using the opposite coordinate plane, determine the ordered pair that represents the school.
- 3) Plot the following points on the coordinate grid: A (3, 2), B (3, 5), C (6, 5), D (6, 2). Using the coordinate grid, connect the points and identify the name of the resulting shape.



Lesson 8 : Representing Points and Creating Patterns

Week (10)

Date: / /

Class performance

Activity (1): Draw and Predict the Pattern

Plot the points (1, 1), (2, 2), and (3, 3) on the coordinate grid. Then connect the points and predict the points that come directly after them in the pattern.

Activity (2): Discover the Pattern "Work with your classmates".

Use the following ordered pairs to complete the table, plot them on the coordinate plane, and find the values of A and B: (1, 3), (2, 6), (3, 9), (A, 12), (5, 15), (6, B)

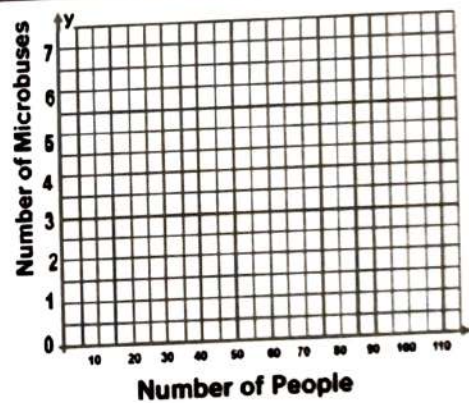
Value x	1					
Value y	3					

Home performance: (Home Work)

Answer the following questions:

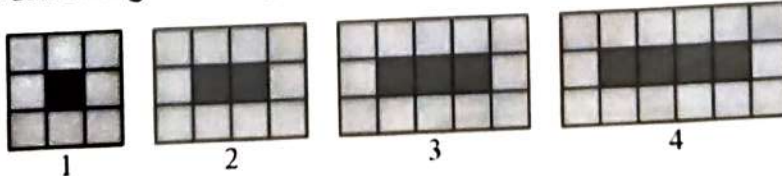
A) Kamal runs a transport company and is considering increasing his fleet of minibuses, with each minibus carrying 15 passengers.

- 1) Form a pattern using the table.
- 2) Plot it graphically on the coordinate plane



total number of passengers (X-axis)	.....	30	.....	60	.....	90	.....
Number of minibuses (Y-axis)	1	...	3	.....	5	.....	7

B) Observe the following four shapes, complete the tables, and answer the questions:



- 3) Plot the data on the coordinate
- 4) What is the number of dark gray squares in shapes 5 and 6?
- 5) What is the number of light gray squares in shapes 5 and 6?

X-axis	1	2	3	4	5	6
number of dark gray squares (Y-axis)						

X-axis	1	2	3	4	5	6
number of light gray squares (Y-axis)						

Lesson 9 : Graphing Real-World Data

Week (10)

Date: / /

Class performance

Activity 1: The Benefits of Saving

Mohamed and Ahmed decided to save money for 5 weeks.

Mohamed saved 25 pounds per week, and Ahmed saved 30 pounds per week.

Which of them saved more, and what is the difference between the two amounts?
(Work with your classmate to create the appropriate table to solve the problem.)

Activity 2: Finding the Dimensions

A rectangle has a length that is twice its width in centimetres.

This information can be represented using the rule:

$$\text{Length (L)} = 2 \times \text{Width (W)}$$

Width w	1	2	.....	5	.....	8
Length L	2	4	8	.....	12	.....

Home performance: (Home Work)

Answer the following questions:

Mona sells bags of cookies to earn money to buy a bicycle. She earns 10 LE for each bag she sells. Answer the following questions: Complete the table.

- 1) Plot the points on the coordinate plane.
- 2) How much money does Mona earn if she sells 9 bags?
- 3) What is the ordered pair that represents how much Mona earns when she sells 20 bags of cookies?
- 4) If Mona earned 60 LE, how many bags did she sell?

Bags of cookies	Money in LE
2	
4	
7	
8	
10	



Unit: 11

Lesson 1 : Geometric Shapes around Us

Week (10)

Date: / /

Class performance

Activity 1: "3D Shapes Explorer in Our Lives"

Look at the opposite pictures of you:

State the name of the 3D shape represented by each picture you have studied.

Write the number of faces and vertices for each shape.



Activity 2 "Shapes Puzzle"

Work with your classmates and write the name of the shape.

- 1) I am a three-dimensional shape. I have no vertices and no edges, and I have two circular bases. Who am I?
- 2) I am a three-dimensional shape. I have no faces, no edges, and no vertices. Who am I?
- 3) I am a shape with a square base. I have 5 faces, 8 edges, and 5 vertices. Who am I?
- 4) I am a shape with square faces. I have 6 faces, 8 vertices, and 12 edges. Who am I?

Home performance: (Home Work)

- 1) State the number of edges of each of the following shapes: rectangular prism, cube, and square-based pyramid.
- 2) State the number of vertices of the cone, sphere, and cylinder.
- 3) State the shape of the face of each of the following: cylinder, rectangular prism, and cube.
- 4) State the number of faces of the cube, rectangular prism, and sphere.
- 5) For the shape shown in the picture, state its name, the shape of its base, and the number of its faces.



Weekly Assessment – Week (10)**Model (A)****First: Choose the correct answer from the given options:**

- The value of the symbol A in the pattern (2, 10), (3, 15), (A, 20), (5, 25) is
a) 4 b) 6 c) 8 d) 2
- A rectangle whose length is twice its width (in cm). This information can be represented by the rule: length (L) = $2 \times$ width (w) If the width of the rectangle is 3 cm, Then its length is cm
a) 8 b) 2 c) 4 d) 6

Second: Answer the following:

- 1) Using the following ordered pairs:

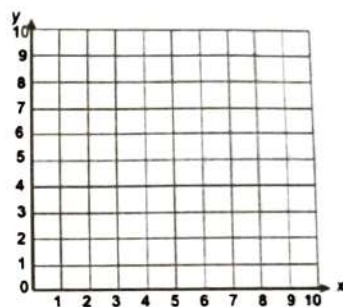
(2, 10), (3, 15), (4, 20), (5, 25)

Find the value of y when $x = 7$.

- 2) Plot the following points on the coordinate plane, then connect the points:

A(2, 2), B(6, 2), C(6, 6), D(2, 6)

State the name of the resulting shape.



- 3) State the number of faces of each of the following: Cube, Rectangular prism, Sphere

Model (B)**First: Choose the correct answer from the given options:**

- The value of the symbol A in the pattern (2, 10), (3, A), (4, 20), (5, 25) is
a) 25 b) 30 c) 15 d) 5
- A rectangle whose length is twice its width (in cm).
The rule is: length (L) = $2 \times$ width (w)
If the width of the rectangle is 2 cm, then its length is cm
a) 8 b) 2 c) 4 d) 6

Second: Answer the following:

- 1) Using the ordered pairs:

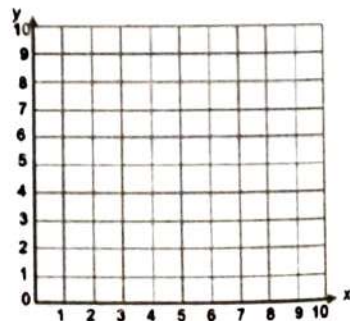
(2, 10), (3, 15), (4, 20), (5, 25)

Find the value of y when $x = 6$.

- 2) Plot the following points on the coordinate plane, then connect the points:

A(2, 2), B(6, 2), C(6, 8), D(2, 8)

State the name of the resulting shape.



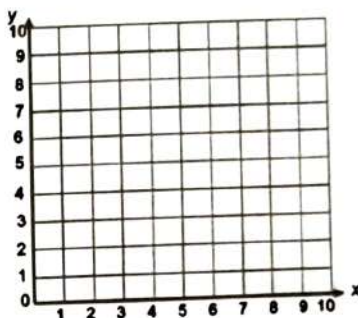
- 3) State the number of edges of each of the following: Rectangular prism, Cube and Square-based pyramid

Model (C)**First: Choose the correct answer from the given options:**

- 1) The value of the symbol A in the pattern (2, 10), (A, 15), (4, 20), (5, 25) is
- a) 4 b) 6 c) 3 d) 2
- 2) A rectangle whose length is twice its width (in cm). The rule is:
length (L) = $2 \times \text{width}(w)$
If the width of the rectangle is 4 cm, then its length is cm
- a) 8 b) 2 c) 4 d) 6

Second: Answer the following:

- 1) Using the following ordered pairs:
(2, 10), (3, 15), (4, 20), (5, 25),
Find the value of y when x = 8.
- 2) Plot the following points on the coordinate plane,
and then connect the points:
A (2, 2), B (6, 2), C (6, 8)
State the name of the resulting shape.
- 3) State the shape of the face of each of the following: Cylinder, Rectangular prism
and Cube

**Lesson 2 : Measuring Volume**

Week (11)

Date: / /

Class performance**Activity1: "Layer Over Layer"**

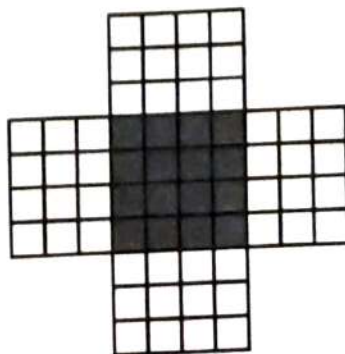
Work with your classmates to fold the given shape so that the shaded part represents the base of the shape. Observe the resulting shape, then complete the following (knowing that the volume of each cube is 1 cm^3):

- Number of layers in the resulting shape = layers
- Area of one layer = cm^2 · Volume = cm^3

**Home performance: (Home Work)****answer the following questions:**

Observe the given shape after folding it so that the shaded part represents the base of the shape, then answer:

- 1) Number of layers of the shape
- 2) Area of one layer 3) The volume



Observe the given shape after folding it so that the shaded part represents the base of the shape, then answer:

- 4) Number of layers of the shape
- 5) Area of one layer and the volume



Lesson 3 : Same Volume, Different Shape

Week (11)

Date: / /

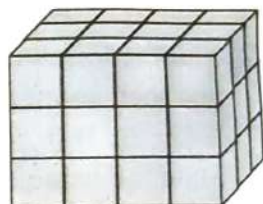
Class performance

Activity 1: Playing with Cubes

(Work with your classmate)

Observe the rectangular prism shown, then complete the following:
(Knowing that the volume of each cube is 1 cm^3)

- Number of vertical slices = slices
- Number of cubes in each slice = cubes
- Volume of the shape = cm^3

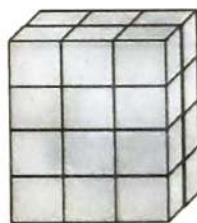


Activity 2: Lucky Cubes

Observe the rectangular prism shown, then complete the following:

(Knowing that the volume of each cube is 1 cm^3)

- Number of horizontal layers = layers
- Number of cubes in each layer = cubes
- Volume of the shape = cm^3



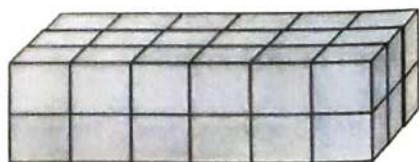
Home performance: (Home Work)

Answer the following questions:

A) Observe the rectangular prism shown, and then complete the following:

(Knowing that the volume of each cube is 1 cm^3)

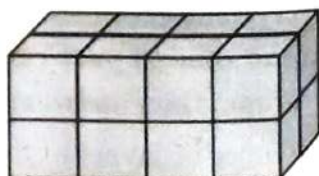
1. Number of vertical slices = slices
2. Number of cubes in each slice = cubes
3. Volume of the shape = cm^3



B) Observe the rectangular prism shown, and then complete the following:

(Knowing that the volume of each cube is 1 cm^3)

4. Number of horizontal layers = layers
- Number of cubes in each layer = cubes
5. Volume of the shape = cm^3



Lesson 4 : Finding a Formula

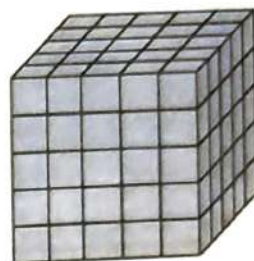
Week (11)

Date: / /

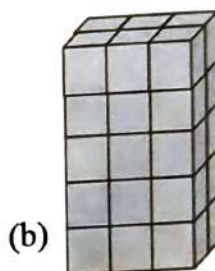
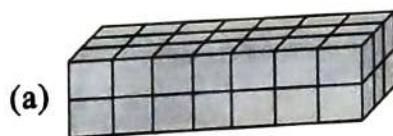
Class performance

Activity 1: Play with Dimensions

Work with your classmate to find the volume of the given shape by determining its length, width, and height.

Activity 2: The Larger Solid

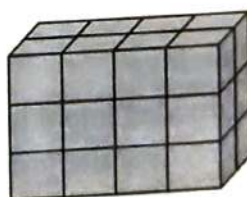
Work with your classmates to determine which solid has the larger volume.



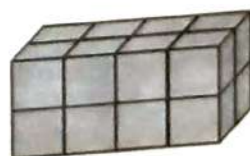
Home performance: (Home Work)

Answer the following questions:

1) Write the dimensions of the given shape and find its volume?



2) Write the dimensions of the given shape and find its volume?



3) Find the volume of the given shape?



4) Write the formula used to calculate the volume of a rectangular prism.

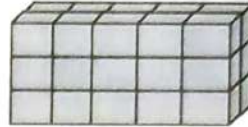
5) Calculate the volume of the given shape using its three dimensions.



Weekly Assessment – Week (11)**Model (A)****First: Choose the correct answer from the given options:**

- 1) The number of horizontal layers
in the given shape = layers

a) 2 b) 3 c) 4 d) 5



- 2) The number of faces of a cube = faces

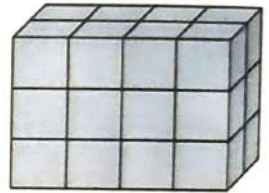
a) 6 b) 8 c) 12 d) 5

Second: Answer the following:

- 1) A rectangular prism is divided into 4 layers, and each layer contains 6 unit cubes.
Find the volume of the rectangular prism = cubic units

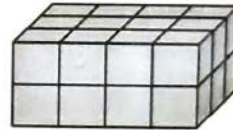
- 2) Write the shape that represents the base of a cylinder.

- 3) Write the dimensions of the given shape and find its volume.

**Model (B)****First: Choose the correct answer from the given options:**

- 1) The number of horizontal layers
in the given shape = layers

a) 2 b) 3 c) 4 d) 5



- 2) The number of faces of a rectangular prism = faces

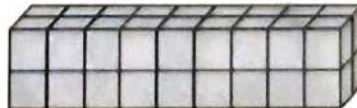
a) 6 b) 8 c) 12 d) 5

Second: Answer the following:

- 1) A rectangular prism is divided into 4 layers, and each layer contains 5 unit cubes.
Find the volume of the rectangular prism = cubic units

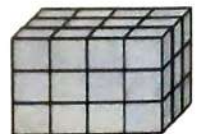
- 2) Write the shape that represents the base of a rectangular prism.

- 3) Write the dimensions
of the given shape and find its volume.

**Model (C)****First: Choose the correct answer from the given options:**

- 1) The number of horizontal layers in the given shape = layers

a) 2 b) 3 c) 4 d) 5

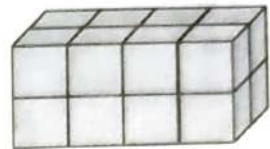


- 2) The number of edges of a cube = edges

a) 6 b) 8 c) 12 d) 5

Second: Answer the following:

- 1) A rectangular prism is divided into 3 layers, and each layer contains 5 unit cubes. Find the volume of the rectangular prism = cubic units
- 2) Write the shape that represents the base of a cube.
- 3) Write the dimensions of the given shape and find its volume.



Lesson 5 : Using a Formula to Find Volume

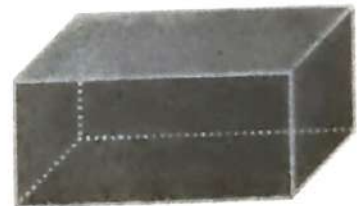
Week (12)

Date: / /

Class performance

Activity (1): Toy Box

In the opposite figure represents Mona's toy box. Mona measured its length, its width as 6 cm, its width as 4 cm, and its height as 3 cm. You and your classmate must help Mona find the volume of the box.



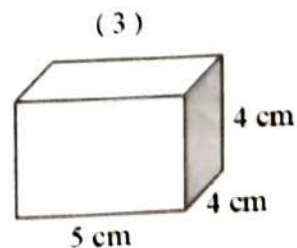
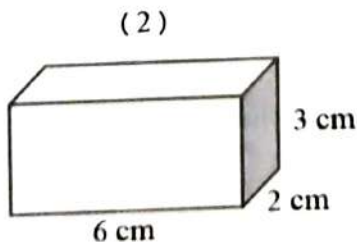
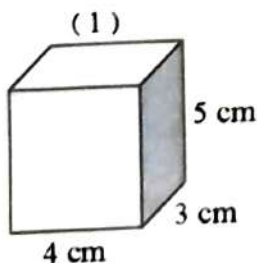
Activity (2): Juice Box

Hussam bought a juice box and measured its three dimensions, which were: 3 cm, 2 cm, and 5 cm. Help Hussam and your classmates find the volume of the juice box.

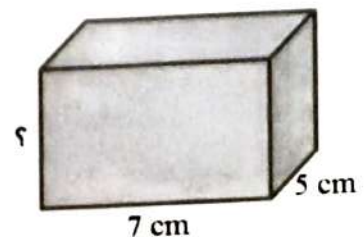
Home performance: (Home Work)

Answer the following questions:

Calculate the volume of the following shapes.



- (4) If the volume of the opposite rectangular prism is 350 cm^3 , find the unknown dimension.



- (5) A rectangular prism whose three dimensions are 6 cm, 5 cm, and 4 cm. Calculate its volume.

Lesson 6 : Finding the Volume of Compound Shapes

Week (12)

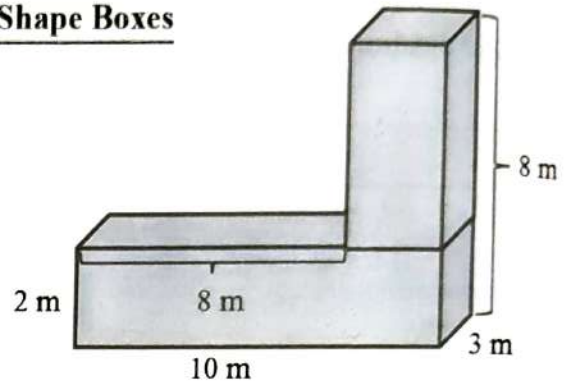
Date: / /

Class performance

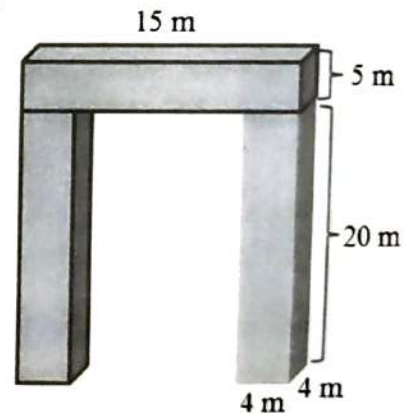
Activity (1): Shape Boxes

Mohamed placed two boxes on top of each other as shown in the figure.

You and your classmate must help Mohamed calculate the volume of the new shape

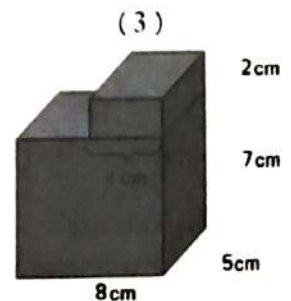
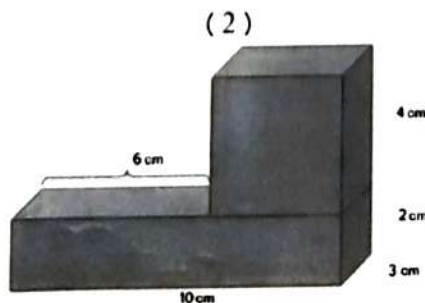
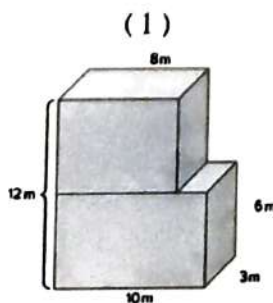
Activity (2): Horseshoe

Share with your classmates in finding the volume of the opposite compound shape? "The dimensions of the vertical columns are equivalent

Home performance: (Home Work)

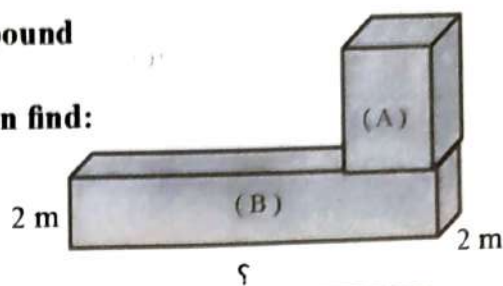
Answer the following questions:

Firstly: Find the volume of each of the following compound shapes:



Secondly: If the volume of the opposite compound shape is 48 m^3 , and the volume of rectangular prism (A) = 16 m^3 , then find:

- (4) The volume of rectangular prism (B).
- (5) The unknown dimension in rectangular prism (B).



Lesson 7 : Solving Real-World Volume Story Problems

Week (12)

Date: / /

Class performance

Activity (1): The Sugar Puzzle

A quantity of sugar fills a box in the shape of a rectangular prism whose base area is 120 cm^2 , and its height is 50 cm . Can it be packed into another box in the shape of a rectangular prism with dimensions 20 cm , 25 cm , and 16 cm ? And why? (Share with your classmate)

Activity (2): The Rice Puzzle

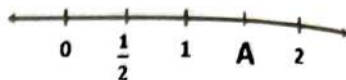
We have a quantity of rice with a volume of $27,000 \text{ cm}^3$, and we want to pack it into two boxes. Which of the following two boxes is suitable?

- A) A box in the shape of a rectangular prism with inner dimensions of 45 cm , 40 cm , and 15 cm .
- B) A box in the shape of a cube whose inner edge length is 20 cm .
(Remember that a cube is a rectangular prism whose three dimensions are equal)
(Share with your classmates)

Home performance: (Home Work)

Answer the following questions:

- 1) A tank in the shape of a rectangular prism with inner dimensions of 6 m , 5 m , and 4 m . Calculate the volume of water that fills the tank.
- 2) A gift box in the shape of a rectangular prism with dimensions 8 cm , 10 cm , and 14 cm . Calculate the volume of the box.
- 3) A toy box in the shape of a rectangular prism whose base is square with a side length of 8 cm and a height of 18 cm . Calculate the volume of the box.
- 4) A box in the shape of a rectangular prism whose base is square with a perimeter of 16 cm . Find the height of the box if its volume is 640 cm^3 .
- 5) Pour $4,900 \text{ cm}^3$ of water into a container in the shape of a rectangular prism with inner dimensions of 20 cm and 35 cm . Calculate the height of the water in the container.

End of the Second month exercises**First: Choose the correct answer:**

1) On the opposite number line, the value of A =

a) $1\frac{1}{2}$

b) $2\frac{1}{2}$

c) $1\frac{1}{4}$

d) $2\frac{1}{4}$

2) The ordered pair that expresses the origin is

a) (1,1)

b) (0, 0)

c) (0,1)

d) (1,0)

3) Which of the following points lies on the X-axis?

a) (0,6)

b) (6, 4)

c) (6,0)

d) (6,6)

4) A rectangular prism with dimensions 5 cm, 1 cm, and 5 cm.

Its volume is = cm^3 .

a) 10

b) 25

c) 30

d) 50

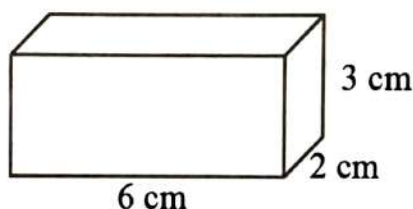
(5) The volume of the opposite rectangular prism = cm^3

a) 48

b) 54

c) 24

d) 36



6) In the following pattern (1, 6), (3, 9), (5, 12), (7, 15), the value of x increases by an amount of:

a) 1

b) 2

c) 3

d) 4

7) The value of the symbol A in the pattern (2, 10), (3, 15), (4, A), (5, 25) is:

a) 20

b) 30

c) 40

d) 50

8) The base of the cylinder is in the shape of a

a) square

b) Circle

c) Rectangle

d) Triangle

9) The shape that has one face and one vertex is

a) Square Pyramid

b) Sphere

c) Cylinder

d) Cone

10) The number of faces of a rectangular prism-shaped box without a lid = faces.

a) 4

b) 5

c) 6

d) 8

11) The shape that has 6 faces, each in the shape of a square, and 12 edges is

a) Square Pyramid

b) Sphere

c) Cube

d) Rectangular Prism

12) If the number of layers of the shape is 3 layers and the area of each layer is 5 cm^2 , then the volume of the shape = cm^3 .

a) 8

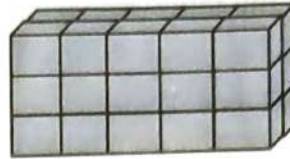
b) 2

c) 15

d) 25

13) Number of vertical slices
in the opposite figure = slices

- a) 2 b) 3
c) 4 d) 5



14) Volume of the
opposite figure = cubic units

- a) 4 b) 6
c) 8 d) 12



15) Volume of
the opposite figure = cm^3

- a) 30 b) 36
c) 12 d) 24



16) A rectangular prism has dimensions of 2 cm, 3 cm, and 5 cm. Its volume = cm^3

- a) 10 b) 25 c) 30 d) 50

17) If the volume of a rectangular prism is 180 cm^3 and its height is 6 cm, then the area of its base = cm^2

- a) 15 b) 30 c) 18 d) 6

18) If the volume of a rectangular prism is 54 cm^3 and its base is a square with a side length of 3 cm, then its height = cm

- a) 3 b) 6 c) 9 d) 12

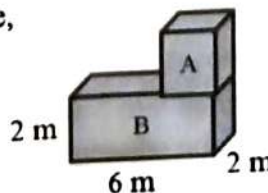
19) Volume of the opposite figure = cubic units

- a) 3 b) 6 c) 9 d) 12



20) From the opposite compound shape,
the length of the cube's
edge (A) = m^3

- a) 2 b) 4 c) 6 d) 8

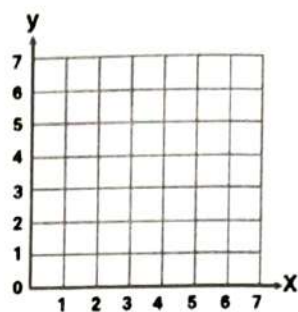


21) A swimming pool has internal dimensions of 30 meters, 12 meters, and a height of 3 meters. Then its volume = m^3

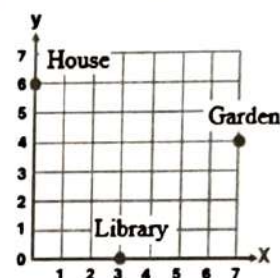
- a) 45 b) 1080 c) 108 d) 1800

Secondly: Answer the following:

- 1) Start from the origin, move 4 units right horizontally on the X-axis then 7 units up vertically parallel to the Y-axis. Determine the building located here.
- 2) Locate the points (5,6), (0,3), (4,0) in the opposite coordinate plane.

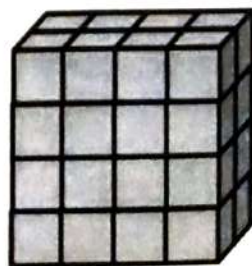
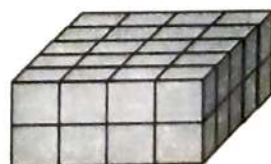


- 3) What is the ordered pair whose X-coordinate is 8 and Y-coordinate is 1?
- 4) Using the opposite coordinate plane, determine the ordered pair that represents each of:
The Garden – The House – The Library.

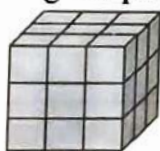
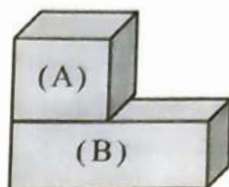
**5) Complete the table, then answer the questions**

value of x	3	6		12		18
value of y	5	7	9		13	

- (a) What is the amount of increase in the values of x, and the values of y?
- (b) If the value of $x=9$, what is the value of y?
- (c) If the value of $x=21$, what is the value of y, and what is this ordered pair?
- 6) Write the number of faces of a rectangular prism.
- 7) Write the number of edges of a cylinder.
- 8) What is the geometric shape that represents the base of a square pyramid?
- 9) Observe the following figure and complete:
“Note that the volume of each cube is 1 cubic cm”.
Number of horizontal layers = layer
Number of cubes in each layer = cube
Volume of the rectangular prism = cubic cm
- 10) A rectangular prism is divided into 5 vertical slices, and each slice has 6-unit cubes. Then the volume of the rectangular prism = cubic units
- 11) Write the dimensions of the rectangular prism, then find its volume.
The dimensions of each cube are one centimeter on all sides.
- 12) A rectangular prism with length 7 cm, width 5 cm, and height 6 cm, find its volume.



- 13) A rectangular prism with base area 72 cm^2 , and height 5 cm, find its volume.
- 14) A rectangular prism with volume 72 cubic cm, width 3 cm, and height 4 cm, find its length.
- 15) If the volume of the opposite compound shape is 400 m^3 , and the volume of rectangular prism (b) is 260 m^3 , then find the volume of rectangular prism (a).
- 16) A box in the shape of a rectangular prism with a volume of $8,000 \text{ cm}^3$, a base length of 25 cm, and a width of 16 cm. Find the height of the box?
- 17) A can in the shape of a rectangular prism with dimensions 20 cm, 25 cm and 16 cm, calculate its volume?
- 18) A gift box in the shape of a rectangular prism with dimensions 8 cm, 3 cm, 5 cm, find its volume?
- 19) Find the number of horizontal layers in the opposite figure.
- 20) A rectangular prism with a volume of 120 cm^3 , and a height of 4 cm, find the area of its base.
- 21) A gift box in the shape of a rectangular prism with dimensions 6 cm, 3 cm, 5 cm, find its volume?



كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الآن

مجاناً وحصرياً

المراجعة رقم (5)

اختبار شهر ابريل



Unit 10

Q1 Choose the correct answer :-

1) The measure of an obtuse angle 90° .

- a) < b) > c) = d) otherwise

2) The measure of an acute angle The measure of an obtuse angle

- a) < b) > c) = d) otherwise

3) The quadrilateral with all sides are equal in length and all angles are right angles is called

- a) rectangle b) square c) parallelogram d) rhombus

4) The square has axis of symmetry .

- a) 1 b) 2 c) 3 d) 4

5) The quadrilateral which has 1 pair of parallel sides opposite each other is

- a) trapezoid b) kite c) parallelogram d) triangle

6) Which of the following is called a parallelogram ?

- a) trapezoid b) kite c) rectangle d) triangle

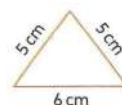
7) A rectangle with 2 adjacent sides are equal in length

- a) rectangle b) square c) parallelogram d) rhombus

8) he triangle has three different sides .

- a) scalene b) equilateral c) isosceles d) otherwise

9) The opposite triangle is



- a) scalene b) equilateral c) isosceles d) otherwise

10) The area of the opposite rectangle =cm²



- a) 18 b) 15 c) 8 d) 12

11) The area of a rectangle with length $\frac{2}{3}$ cm and width $\frac{2}{5}$ cm iscm²

- a) $\frac{3}{20}$ b) $\frac{4}{20}$ c) $\frac{4}{9}$ d) $\frac{4}{15}$

12) The area of a rectangle =

- a) $L + W$ b) $L \times W$ c) $\frac{L}{W}$ d) $(L + W) \times 2$

13) The Y coordinate in the ordered pair (1 , 3) is

- a) 1 b) 2 c) 3 d) 4

14) The first number in the ordered pair (1 , 3) is

- a) X-axis b) Y-axis c) X-coordinate d) Y-coordinate

15) Which of the following points locate on X-axis ?

- a) (1 , 0) b) (0 , 1) c) (1 , 1) d) (0 , 3)

16) Which of the following points locate on Y-axis ?

- a) (1 , 0) b) (0 , 1) c) (1 , 1) d) (3 , 0)

17) The origin point is

- a) (1 , 0) b) (0 , 0) c) (1 , 1) d) (1 , 2)

18) The value of the missing numbers in the table is

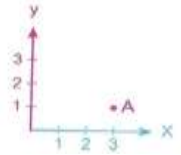
x values	2	3	4	5	6
y values	2	4	6	—	—

- a) 7 , 9 b) 8 , 10 c) 6 , 8 d) 10 , 12



Q2 Complete the following :-

- 1) The angle of measure less than 90° is angle .
- 2) The polygon which has 4 sides is called
- 3) The polygon which only 2 parallel sides is called
- 4) The polygon which has sides is called hexagon .
- 5) Each 2 opposite sides are parallel in , , and
- 6) The 4 sides are equal in length in and
- 7) The 4 angles are right in and
- 8) In the square all angles are
- 9) The parallelogram with 4-right angles is called
- 10) The parallelogram with 4-sides are equal in length is called
- 11) The rectangle with 4-sides are equal in length is called
- 12) The rhombus with 4-right angles is called
- 13) The angle of measure 100° is angle .
- 14) In triangle ABC $m(\angle A) = 30^\circ$ $m(\angle B) = 90^\circ$ $m(\angle C) = 60^\circ$ (.....triangle)
- 15) In triangle XYZ $m(\angle X) = 30^\circ$ $m(\angle Y) = 40^\circ$ $m(\angle Z) = 110^\circ$ (.....triangle)
- 16) In triangle LMN $m(\angle L) = 50^\circ$ $m(\angle M) = 70^\circ$ $m(\angle N) = 60^\circ$ (.....triangle)
- 17) In triangle ABC , $AB = 6\text{ cm}$, $BC = 7\text{ cm}$, $CA = 6\text{ cm}$ (.....triangle)
- 18) In triangle XYZ, $XY = 4.5\text{ cm}$, $YZ = 4.5\text{ cm}$, $ZX = 4.5\text{ cm}$ (.....triangle)
- 19) In triangle LMN , $LM = 4\text{ cm}$, $MN = 5\text{ cm}$, $NL = 8\text{ cm}$ (.....triangle)
- 20) In triangle HBC $m(\angle H) = (\angle B) = 70^\circ$ $m(\angle C) = 40^\circ$ (.....triangle)
- 21) In triangle MAY , $MA = AY = 9\text{ cm}$, $YM = 10\text{ cm}$ (.....triangle)
- 22) The triangle is a polygon that has sides angles .
- 23) The equilateral triangle is a triangle whose sides are
- 24) Any triangle has at least acute angles .
- 25) The area of rectangle of dimensions $1\frac{1}{2}\text{ cm}$ and 2 cm is



26) The opposite figure , the ordered pair that represent Point A is

27) The point (0 , 5) lies on-axis .

28) The Y-coordinate in the order pair (2 , 3) is

29) The vertical number line in the coordinate plane is called axis

30) The horizontal number line in the coordinate plane is called axis

31) From the opposite table , complete :

a= , b= , c=

if $x = 9$, then $y =$

if $y = 30$, then $x =$

Value of x	a	5	4	3	2	1
Value of y	12	c	b	6	4	2

32) From the opposite table , complete :

What is the amount of increase in

x-values and y-values ?

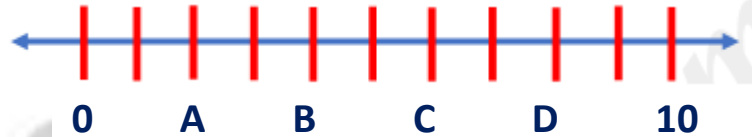
if $x = 9$, then $y =$

if $x = 21$, then $y =$ and ordered pair is

Value of x	3	6	.....	12	.....	18
Value of y	5	7	9	.....	13	.....

Q3 Answer the following :-

1) Use the number line to find



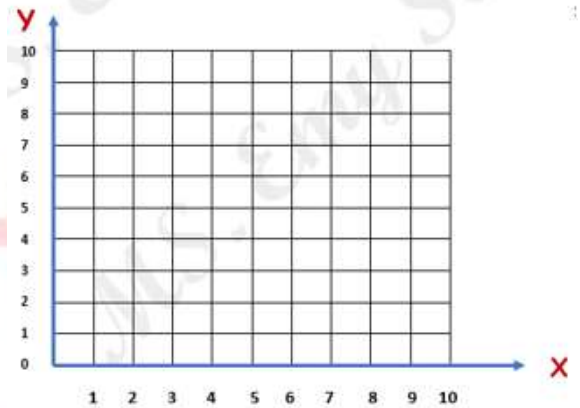
- what is the value of A ?
- How far is point B from D ?
- How far is point C from A ?
- The length of AD = units

2) In the opposite coordinate plane ,

- Graph the figure ABCD ,

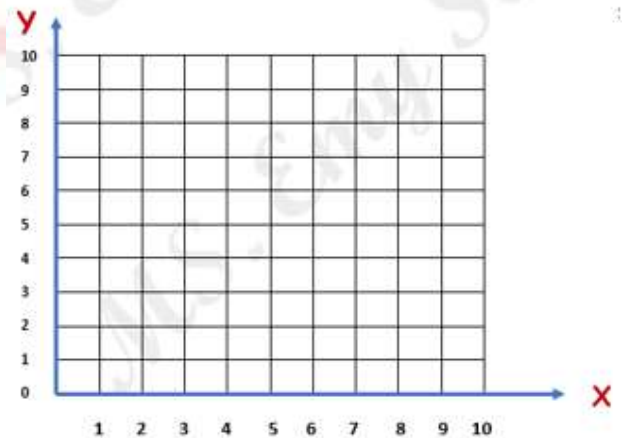
A(2 , 8) , B(2 , 4) , C(7 , 4) , D(7 , 8)

- What is the name of figure ABCD ?
- AD $\parallel$, AB $\parallel$
- AB $\perp$, DC $\perp$



3) Use the pattern to complete the table and represent on the coordinate plane

x values	1	2	3	4	5	6	7
y values	2	4	6	8	10	—	—



Unit 11

Q1 choose the correct answer

1) The rectangular prism is a dimensional shape .

- a) one b) two c) three d) four

2) A cuboid has 4 horizontal layers and 6 cube units in each layer , then its volume = cm^3

- a) 24 b) 18 c) 12 d) 16

3) A cuboid has 2 vertical slices , each slice has 5 cm^3 , then its volume = cm^3

- a) 7 b) 3 c) 10 d) $\frac{5}{2}$

4) The unit of measuring volume is

- a) cm b) cm^2 c) cm^3 d) m

5) Volume of cuboid = 60 cm^3 and base area = 20 cm^2 , then its height=cm

- a) 1200 b) 3 c) 80 d) 40

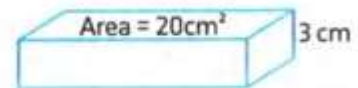
6) Length of cuboid =

- a) $w \times h$ b) $\frac{\text{volume}}{w \times h}$ c) $\frac{\text{base area}}{h}$ d) $L \times w \times h$

7) The unit of measuring volume is

- a) cm b) square cm c) cubic cm d) meter

8) The volume of opposite figure equals cm^3



- a) 60 b) 120 c) 80 d) 40

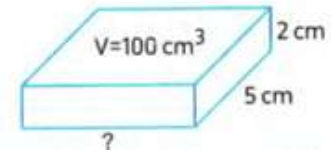
9) The volume of opposite figure is cube units .



- a) 6 b) 2 c) 12 d) 16



10) The missing dimension in the opposite figure is



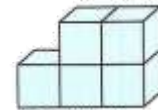
a) 10

b) 200

c) 500

d) 1000

11) The volume of opposite figure is cube units



a) 6

b) 5

c) 10

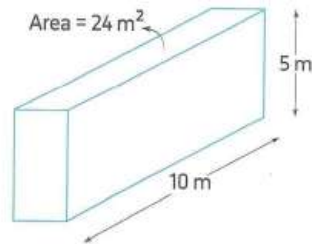
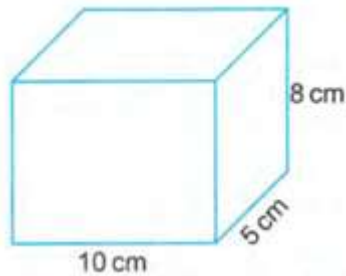
d) 16

Q2 Complete the following :-

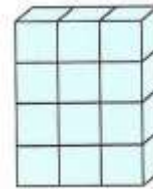
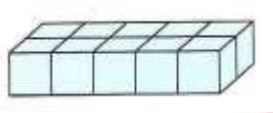
- 1) The cube has faces , edges , vertices .
- 2) The cone has faces , edges , vertices .
- 3) The cylinder has faces , edges , vertices .
- 4) The sphere has faces , edges , vertices .
- 5) The square pyramid has faces , edges , vertices .
- 6) The square pyramid has triangular faces .
- 7) The rectangular prism has faces , edges , vertices .
- 8) The solid which has no edges , no faces no vertices is called
- 9) Cuboid of length 11cm , width 2cm , and height 4cm , then its volume =
- 10) Volume of cuboid = base area ×
- 11) Cuboid has 2 horizontal layers and each layer has 6 cube units , then its volume = cube units .
- 12) A cuboid of base area 18 cm² and heigh 2cm , its volume =

Q3 Answer the following :-

1) Find the volume of the opposite figures .



2) Which one of the following is greater in volume of ?

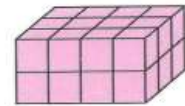


3) From the opposite figure ,

The number of horizontal layers is

The number of cubes in each horizontal layer is

The volume = × =

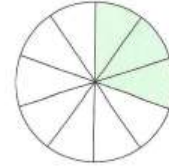


Unit 12**Q1 Complete the following :-**

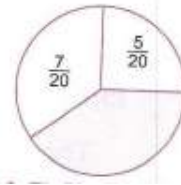
- 1) The sum of measures of angles accumulating around one point as the center of the circle is equal to
- 2) The decimal that represents half of a circle =
- 3) The decimal that represents one fourth of a circle =
- 4) The decimal that represents three fourths of a circle =
- 5) The fraction that represents half of a circle =
- 6) The fraction that represents one fourth of a circle =
- 7) The fraction that represents three fourths of a circle =
- 8) The measure of the central angle which represents $\frac{1}{2}$ of the circle is°
- 9) The measure of the central angle which represents $\frac{1}{3}$ of the circle is°
- 10) The measure of the central angle which represents $\frac{1}{4}$ of the circle is°
- 11) The measure of the central angle which represents $\frac{3}{4}$ of the circle is°
- 12) The measure of the central angle which represents $\frac{1}{6}$ of the circle is°
- 13) The measure of the central angle which represents $\frac{1}{12}$ of the circle is°
- 14) The measure of the central angle which represents $\frac{2}{3}$ of the circle is°
- 15) The measure of the central angle which represents $\frac{2}{6}$ of the circle is°
- 16) The measure of the central angle which represents $\frac{5}{12}$ of the circle is°

Q2 Choose the correct answer :-

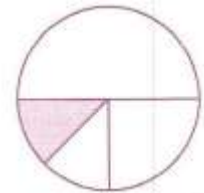
1) The measure of the central angle that represents the opposite colored sector is

a) 36° b) 72° c) 108° d) 120°

2) The missing fraction of the pie chart =

a) $\frac{8}{10}$ b) $\frac{7}{20}$ c) $\frac{5}{20}$ d) $\frac{2}{5}$

3) The fraction which represent the shaded part =

a) $\frac{1}{4}$ b) $\frac{1}{2}$ c) $\frac{1}{8}$ d) $\frac{2}{4}$

4) In the following table what is the fraction represents the blue color ?

Color	Red	Blue	Green
Fraction	$\frac{1}{2}$	.....	$\frac{3}{10}$

a) $\frac{1}{2}$ b) $\frac{1}{5}$ c) $\frac{3}{10}$ d) $\frac{7}{10}$

5) The following table shows the fraction of production for three farms , the fraction of the third farm =

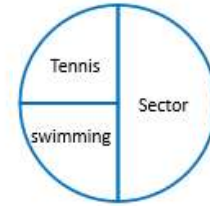
The farm	First	Second	Third	Total
Fraction	$\frac{1}{2}$	$\frac{1}{4}$	.....	1

a) $\frac{1}{2}$ b) $\frac{1}{8}$ c) $\frac{1}{4}$

d) 1

6) The measure of the angle which represents swimming is°

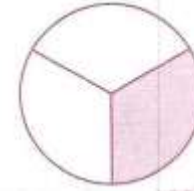
- a) 36° b) 90° c) 108°



d) 120°

7) The measure of the central angle of the shaded sector =°

- a) 30° b) 72° c) 100°



d) 120°

8) The measure of the central angle of the shaded sector =°

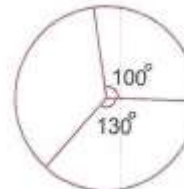
- a) 36° b) 90° c) 108°



d) 130°

9) The measure of the central angle of the missing sector =°

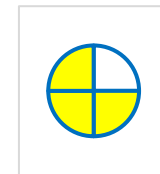
- a) 45° b) 130° c) 110°



d) 120°

10) The measure of the central angle of the shaded sector =°

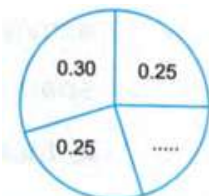
- a) 90° b) 270° c) 108°



d) 180°

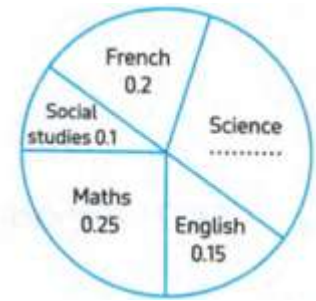
11) The missing part of the pie chart =

- a) 0.20 b) 0.30 c) 0.35



d) 0.25

- 12) The fraction which represents the science book sector =



Q3 Answer the following :-

- 1) The opposite figure shows the decimals of sales of different types of books complete :-

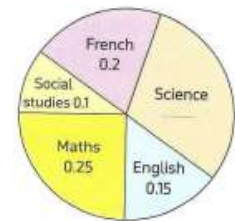
The sales decimal of science books is

The least sales decimal is in

The ascending order of books types according to

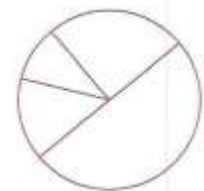
The decimals of sales is,,,,

The sales decimal of French books is



- 2) Represent these data by the opposite pie chart

Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$



Answers

Unit 10

Q1 Choose the correct answer :-

1) The measure of an obtuse angle 90° .

- a) < **b) >** c) = d) otherwise

2) The measure of an acute angle The measure of an obtuse angle

- a) <** b) > c) = d) otherwise

3) The quadrilateral with all sides are equal in length and all angles are right angles is called

- a) rectangle **b) square** c) parallelogram d) rhombus

4) The square has axis of symmetry .

- a) 1 b) 2 c) 3 **d) 4**

5) The quadrilateral which has 1 pair of parallel sides opposite each other is

- a) trapezoid** b) kite c) parallelogram d) triangle

6) Which of the following is called a parallelogram ?

- a) trapezoid b) kite **c) rectangle** d) triangle

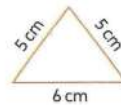
7) A rectangle with 2 adjacent sides are equal in length

- a) rectangle **b) square** c) parallelogram d) rhombus

8) The triangle has three different sides .

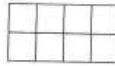
- a) scalene** b) equilateral c) isosceles d) otherwise

9) The opposite triangle is



- a) scalene b) equilateral **c) isosceles** d) otherwise

10) The area of the opposite rectangle =cm²



a) 18

b) 15

c) 8

d) 12

11) The area of a rectangle with length $\frac{2}{3}$ cm and width $\frac{2}{5}$ cm iscm²

a) $\frac{3}{20}$ b) $\frac{4}{20}$ c) $\frac{4}{9}$ d) $\frac{4}{15}$

12) The area of a rectangle =

a) $L + W$ b) $L \times W$ c) $\frac{L}{W}$ d) $(L + W) \times 2$

13) The Y coordinate in the ordered pair (1 , 3) is

a) 1

b) 2

c) 3

d) 4

14) The first number in the ordered pair (1 , 3) is

a) X-axis

b) Y-axis

c) X-coordinate

d) Y-coordinate

15) Which of the following points locate on X-axis ?

a) (1 , 0)

b) (0 , 1)

c) (1 , 1)

d) (0 , 3)

16) Which of the following points locate on Y-axis ?

a) (1 , 0)

b) (0 , 1)

c) (1 , 1)

d) (3 , 0)

17) The origin point is

a) (1 , 0)

b) (0 , 0)

c) (1 , 1)

d) (1 , 2)

18) The value of the missing numbers in the table is

x values	2	3	4	5	6
y values	2	4	6	—	—

a) 7 , 9

b) 8 , 10

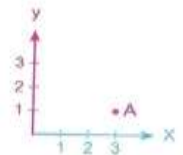
c) 6 , 8

d) 10 , 12

Q2 Complete the following :-

- 1) The angle of measure less than 90° is acute angle .
- 2) The polygon which has 4 sides is called quadrilateral
- 3) The polygon which only 2 parallel sides is called trapezium
- 4) The polygon which has 6 sides is called hexagon .
- 5) Each 2 opposite sides are parallel in square , rectangle , rhombus and parallelogram
- 6) The 4 sides are equal in length in square and rhombus
- 7) The 4 angles are right in square and rectangle
- 8) In the square all angles are right angles
- 9) The parallelogram with 4-right angles is called rectangle
- 10) The parallelogram with 4-sides are equal in length is called rhombus
- 11) The rectangle with 4-sides are equal in length is called square
- 12) The rhombus with 4-right angles is called square
- 13) The angle of measure 100° is obtuse angle .
- 14) In triangle ABC $m(\angle A) = 30^\circ$ $m(\angle B) = 90^\circ$ $m(\angle C) = 60^\circ$ (right-triangle)
- 15) In triangle XYZ $m(\angle X) = 30^\circ$ $m(\angle Y) = 40^\circ$ $m(\angle Z) = 110^\circ$ (obtuse-triangle)
- 16) In triangle LMN $m(\angle L) = 50^\circ$ $m(\angle M) = 70^\circ$ $m(\angle N) = 60^\circ$ (acute-triangle)
- 17) In triangle ABC , $AB = 6\text{ cm}$, $BC = 7\text{ cm}$, $CA = 6\text{ cm}$ (isosceles triangle)
- 18) In triangle XYZ, $XY = 4.5\text{ cm}$, $YZ = 4.5\text{ cm}$, $ZX = 4.5\text{ cm}$ (equilateral triangle)
- 19) In triangle LMN , $LM = 4\text{ cm}$, $MN = 5\text{ cm}$, $NL = 8\text{ cm}$ (scalene triangle)
- 20) In triangle HBC $m(\angle H) = m(\angle B) = 70^\circ$ $m(\angle C) = 40^\circ$ (isosceles triangle)
- 21) In triangle MAY , $MA = AY = 9\text{ cm}$, $YM = 10\text{ cm}$ (isosceles triangle)

- 22) The triangle is a polygon that has 3 sides 3 angles .
- 23) The equilateral triangle is a triangle whose sides are equal
- 24) Any triangle has at least 2 acute angles .
- 25) The area of rectangle of dimensions $1\frac{1}{2}$ cm and 2 cm is 3 cm^2
- 26) The opposite figure , the ordered pair that represent
Point A is (3 , 1)
- 27) The point (0 , 5) lies on Y-axis .
- 28) The Y-coordinate in the order pair (2 , 3) is 3
- 29) The vertical number line in the coordinate plane is called Y axis
- 30) The horizontal number line in the coordinate plane is called X axis
- 31) From the opposite table , complete :



$a = 6$, $b = 8$, $c = 10$
 if $x = 9$, then $y = 18$
 if $y = 30$, then $x = 15$

Value of x	a	5	4	3	2	1
Value of y	12	c	b	6	4	2

- 32) From the opposite table , complete :

What is the amount of increase in
 x-values and y-values ?
 x-values increase by 3 & y-values
 increase by 2

if $x = 9$, then $y = 9$

if $x = 21$, then $y = 17$ and ordered pair is (21,17)

Value of x	3	6	9	12	15	18
Value of y	5	7	9	11	13	15

Q3 Answer the following :-

1) Use the number line to find



- e) what is the value of A ? 2
- f) How far is point B from D ? $8-4=4$ units
- g) How far is point C from A ? $6-2=4$ units
- h) The length of AD = 6 units

2) In the opposite coordinate plane ,

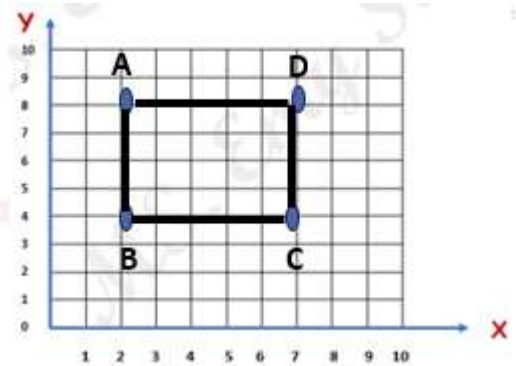
e) Graph the figure ABCD ,

A(2 , 8) , B(2 , 4) , C(7 , 4) , D(7 , 8)

f) What is the name of figure ABCD ?

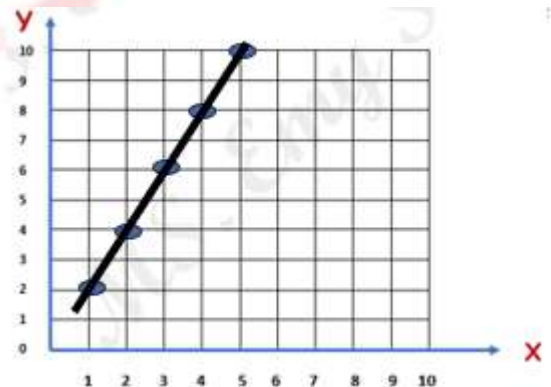
g) AD $\parallel$, AB $\parallel$

h) AB $\perp$, DC $\perp$



3) Use the pattern to complete the table and represent on the coordinate plane

x values	1	2	3	4	5	6	7
y values	2	4	6	8	10	12	14



Unit 11

Q1 choose the correct answer

1) The rectangular prism is a dimensional shape .

- a) one b) two **c) three** d) four

2) A cuboid has 4 horizontal layers and 6 cube units in each layer , then its volume = cm^3

- a) 24** b) 18 c) 12 d) 16

3) A cuboid has 2 vertical slices , each slice has 5 cm^3 , then its volume = cm^3

- a) 7 b) 3 **c) 10** d) $\frac{5}{2}$

4) The unit of measuring volume is

- a) cm b) cm^2 **c) cm^3** d) m

5) Volume of cuboid = 60 cm^3 and base area = 20 cm^2 , then its height=cm

- a) 1200 **b) 3** c) 80 d) 40

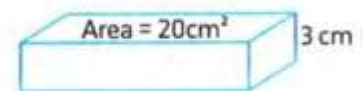
6) Length of cuboid =

- a) $w \times h$ **b) $\frac{\text{volume}}{w \times h}$** c) $\frac{\text{base area}}{h}$ d) $L \times w \times h$

7) The unit of measuring volume is

- a) cm b) square cm **c) cubic cm** d) meter

8) The volume of opposite figure equals cm^3



- a) 60** b) 120 c) 80 d) 40

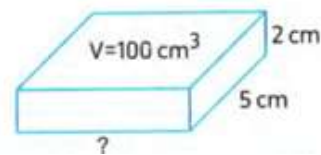
9) The volume of opposite figure is cube units .



- a) 6** b) 2 c) 12 d) 16



10) The missing dimension in the opposite figure iscm



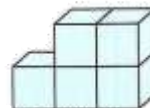
a) 10

b) 200

c) 500

d) 1000

11) The volume of opposite figure is cube units



a) 6

b) 5

c) 10

d) 16

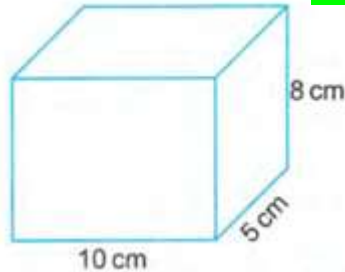
Q2 Complete the following :-

- 1) The cube has 6 faces , 12 edges , 8 vertices .
- 2) The cone has 1 faces , 0 edges , 1 vertices .
- 3) The cylinder has 2 faces , 0 edges , 0 vertices .
- 4) The sphere has 0 faces , 0 edges , 0 vertices .
- 5) The square pyramid has 5 faces , 8 edges , 5 vertices .
- 6) The square pyramid has 4 triangular faces .
- 7) The rectangular prism has 6 faces , 12 edges , 8 vertices .
- 8) The solid which has no edges , no faces no vertices is called sphere
- 9) Cuboid of length 11cm , width 2cm , and height 4cm , then its volume = 88 cm^3
- 10) Volume of cuboid = base area $\times$ hight
- 11) Cuboid has 2 horizontal layers and each layer has 6 cube units , then its volume = 12 cube units .
- 12) A cuboid of base area 18 cm^2 and heigh 2cm , its volume = 36 cm^3

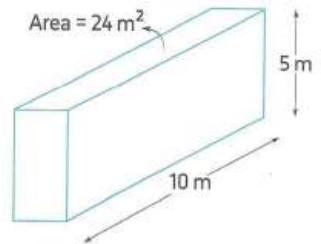
Q3 Answer the following :-

1) Find the volume of the opposite figures .

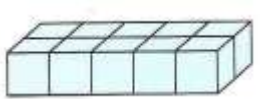
$$V = 10 \times 5 \times 8 = 400 \text{ cm}^3$$



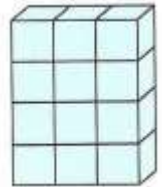
$$V = 24 \times 5 = 120 \text{ cm}^3$$



2) Which one of the following is greater in volume of ?



$$V = 2 \times 5 = 10 \text{ cm}^3$$



$$V = 3 \times 4 = 12 \text{ cm}^3$$

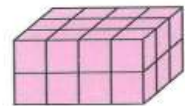
So this one is the greatest

3) From the opposite figure ,

The number of horizontal layers is 2

The number of cubes in each horizontal layer is 12

The volume = $2 \times 12 = 24 \text{ cm}^3$



Unit 12**Q1 Complete the following :-**

- 1) The sum of measures of angles accumulating around one point as the center of the circle is equal to 360°
- 2) The decimal that represents half of a circle = 0.5
- 3) The decimal that represents one fourth of a circle = 0.25
- 4) The decimal that represents three fourths of a circle = 0.75
- 5) The fraction that represents half of a circle = $\frac{1}{2}$
- 6) The fraction that represents one fourth of a circle = $\frac{1}{4}$
- 7) The fraction that represents three fourths of a circle = $\frac{3}{4}$
- 8) The measure of the central angle which represents $\frac{1}{2}$ of the circle is 180°
- 9) The measure of the central angle which represents $\frac{1}{3}$ of the circle is 120°
- 10) The measure of the central angle which represents $\frac{1}{4}$ of the circle is 90°
- 11) The measure of the central angle which represents $\frac{3}{4}$ of the circle is 270°
- 12) The measure of the central angle which represents $\frac{1}{6}$ of the circle is 60°
- 13) The measure of the central angle which represents $\frac{1}{12}$ of the circle is 30°
- 14) The measure of the central angle which represents $\frac{2}{3}$ of the circle is 240°
- 15) The measure of the central angle which represents $\frac{2}{6}$ of the circle is 120°
- 16) The measure of the central angle which represents $\frac{5}{12}$ of the circle is 150°

Q2 Choose the correct answer :-

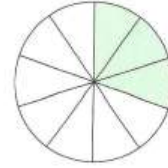
1) The measure of the central angle that represents the opposite colored sector is

a) 36°

b) 72°

c) 108°

d) 120°



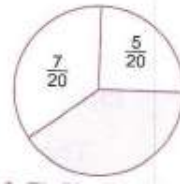
2) The missing fraction of the pie chart =

a) $\frac{8}{10}$

b) $\frac{7}{20}$

c) $\frac{5}{20}$

d) $\frac{2}{5}$



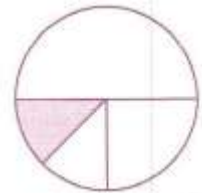
3) The fraction which represent the shaded part =

a) $\frac{1}{4}$

b) $\frac{1}{2}$

c) $\frac{1}{8}$

d) $\frac{2}{4}$



4) In the following table what is the fraction represents the blue color ?

Color	Red	Blue	Green
Fraction	$\frac{1}{2}$	.....	$\frac{3}{10}$

a) $\frac{1}{2}$

b) $\frac{1}{5}$

c) $\frac{3}{10}$

d) $\frac{7}{10}$

5) The following table shows the fraction of production for three farms , the fraction of the third farm =

The farm	First	Second	Third	Total
Fraction	$\frac{1}{2}$	$\frac{1}{4}$	.....	1

a) $\frac{1}{2}$

b) $\frac{1}{8}$

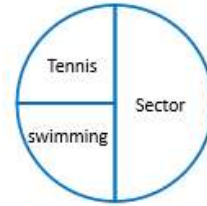
c) $\frac{1}{4}$

d) 1



6) The measure of the angle which represents swimming is°

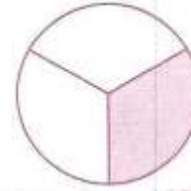
- a) 36° b) 90° c) 108°



d) 120°

7) The measure of the central angle of the shaded sector =°

- a) 30° b) 72° c) 100°



d) 120°

8) The measure of the central angle of the shaded sector =°

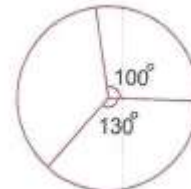
- a) 36° b) 90° c) 108°



d) 130°

9) The measure of the central angle of the missing sector =°

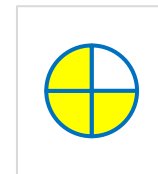
- a) 45° b) 130° c) 110°



d) 120°

10) The measure of the central angle of the shaded sector =°

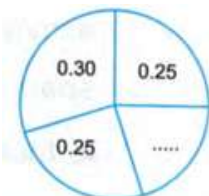
- a) 90° b) 270° c) 108°



d) 180°

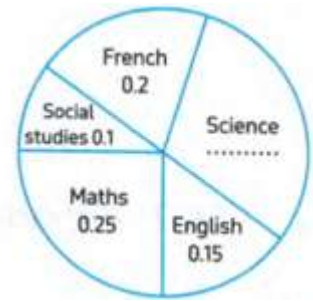
11) The missing part of the pie chart =

- a) 0.20 b) 0.30 c) 0.35



d) 0.25

- 12) The fraction which represents the science book sector = 0.3



Q3 Answer the following :-

- 1) The opposite figure shows the decimals of sales of different types of books complete :-

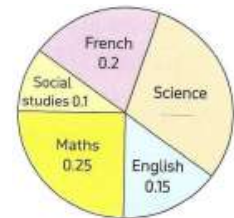
The sales decimal of science books is 0.3

The least sales decimal is in Social

The ascending order of books types according to

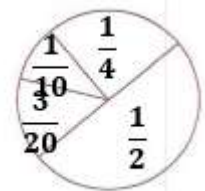
The decimals of sales is Social , English , French , Math , Science

The sales decimal of French books is 0.2



- 2) Represent these data by the opposite pie chart

Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$



حمل الآن

مجاناً وحصرياً

المراجعة رقم (6)

اختبار شهر ابريل



Unit 10

Choose the correct answer

- 1 The figure  is called _____.
A. line segment B. ray C. straight line D. angle
- 2 The figure  is called _____.
A. line segment B. ray C. straight line D. angle
- 3 The _____ has 3 sides.
A. triangle B. quadrilateral C. pentagon D. hexagon
- 4 The pentagon has _____ sides.
A. 3 B. 4 C. 6 D. 5
- 5 The polygon which has four sides is called a _____.
A. triangle. B. hexagon. C. pentagon. D. quadrilateral.
- 6 The hexagon has _____ sides.
A. 3 B. 4 C. 6 D. 5
- 7 The measure of the right angle is _____ °.
A. 90 B. 80 C. 89 D. 180
- 8 The measure of an obtuse angle _____ 90°
A. = B. > C. < D. otherwise
- 9 The angle of measure less than 90° is _____ angle.
A. an acute B. a right C. an obtuse D. a straight
- 10 The measure of an obtuse angle _____ the measure of a right angle.
A. < B. = C. > D. ≤
- 11 The measure of a right angle _____ the measure of an acute angle.
A. < B. = C. > D. ≤

Choose the correct answer

- 12 The _____ has only one pair of parallel sides.
A. square B. trapezium C. rhombus D. rectangle
- 13 A quadrilateral which has four right angles is called _____.
A. parallelogram. B. rhombus. C. rectangle. D. trapezium.
- 14 The _____ has 4 right angles.
A. parallelogram B. trapezium C. kite D. square
- 15 The _____ has 4 equal sides.
A. parallelogram B. rhombus C. rectangle D. trapezium
- 16 The _____ has 4 equal sides.
A. parallelogram B. square C. rectangle D. trapezium
- 17 The quadrilateral in which all sides are equal in length and all angles are equal in measure is called a _____.
A. parallelogram B. rectangle C. trapezium D. square
- 18 The _____ is a rhombus with 4 right angles.
A. parallelogram B. rectangle C. trapezium D. square
- 19 The _____ is a rectangle has 4 equal sides.
A. parallelogram B. square C. rhombus. D. trapezium
- 20 In $\triangle ABC$, if $m(\angle A) = 46^\circ$, $m(\angle B) = 38^\circ$ and $m(\angle C) = 96^\circ$, then the triangle is _____ angled triangle.
A. an acute B. a right C. an obtuse D. straight
- 21 In $\triangle ABC$, $m(\angle A) = 50^\circ$, $m(\angle B) = 60^\circ$ and $m(\angle C) = 70^\circ$, then the triangle is _____ angled triangle.
A. acute B. right C. obtuse

Unit 10

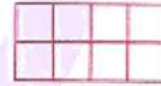
Choose the correct answer

- 22 In $\triangle ABC$, $m(\angle A) = 130^\circ$ and $m(\angle B) = m(\angle C) = 25^\circ$, then the triangle is _____ angled triangle.
 A. acute B. right C. obtuse
- 23 In $\triangle XYZ$, $m(\angle X) = 90^\circ$, $m(\angle Y) = 40^\circ$ and $m(\angle Z) = 50^\circ$, then the triangle is _____ angled triangle.
 A. acute B. right C. obtuse
- 24 Any triangle has at least _____ acute angles.
 A. 2 B. 3 C. 4 D. 5
- 25 All the acute triangles have _____ acute angles.
 A. 0 B. 1 C. 2 D. 3
- 26 The right triangle has _____ right angle.
 A. 0 B. 1 C. 2 D. 3
- 27 The right-angled triangle has _____ acute angle[s].
 A. 3 B. 2 C. 1 D. 0
- 28 The obtuse triangle has _____ obtuse angle[s].
 A. 0 B. 1 C. 2 D. 3
- 29 All the obtuse triangles has _____ acute angles.
 A. 0 B. 1 C. 2 D. 3
- 30 In the equilateral triangle the side lengths are _____.
 A. 4, 5, 3 cm B. 4, 4, 5 cm C. 4, 4, 4 cm D. 3, 5, 6 cm
- 31 The triangle whose side lengths are _____ is isosceles triangle.
 A. 4, 5, 3 cm B. 4, 4, 5 cm C. 3, 5, 6 cm D. 2, 3, 4 cm

Unit 10

Choose the correct answer

- 32 The triangle of side lengths are 5 cm , 6 cm , 7 cm is called _____ triangle.
A. Equilateral B. Isosceles C. Scalene
- 35 If $AB = BC = AC$, then the triangle ABC is _____ triangle.
A. Equilateral B. Isosceles C. Scalene
- 34 In the triangle ABC , $AB = BC = 5$ cm. , $AC = 3$ cm. , then the triangle is _____
A. equilateral. B. isosceles. C. scalene.
- 35 I am a triangle with only 2 equal sides , the measure of one of my angles is greater than 90°
What kind of triangle am I ?
A. Isosceles , right B. Isosceles , obtuse
C. Scalene , obtuse D. Isosceles , acute
- 36 The area of the opposite rectangle = _____ square units.
A. 10 B. 8
C. 6 D. 4
- 37 Area of rectangle = _____
A. $L + W$ B. $L \times W$ C. $L \div W$ D. $(L + W) \times 2$
- 38 The area of a rectangle its length 4 cm and width 3 cm is _____ cm^2
A. 3 B. 4 C. 12 D. 7
- 39 The area of rectangle of length $\frac{3}{4}$ cm and width $\frac{2}{5}$ cm is _____ cm^2
A. $\frac{1}{4}$ B. $\frac{5}{9}$ C. $\frac{3}{10}$ D. $\frac{2}{3}$
- 40 The area of rectangle of dimensions $5\frac{1}{2}$ meters and $2\frac{1}{2}$ meters is _____
A. $13\frac{3}{4}$ m B. 8 m C. 8 m^2 D. $13\frac{3}{4}\text{ m}^2$



Unit 10

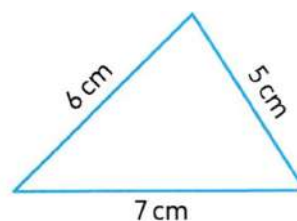
Choose the correct answer

- 41 The y-coordinate in the orderd pair (1 ,8) is _____
 A. 1 B. 8 C. 1 + 8 D. 8 – 1
- 42 Which of the following points located on y-axis ?
 A. (1 ,0) B. (0 ,1) C. (1 ,1) D. (7 ,0)
- 43 The X-coordinate in ordered pair (3 ,2) is _____
 A. 3 B. 2 C. 5 D. 6
- 44 The point _____ lies on X-axis.
 A. (0 ,5) B. (1 ,5) C. (5 ,1) D. (5 ,0)
- 45 The origin point is _____
 A. (1 ,0) B. (0 ,1) C. (0 ,0) D. (1 ,1)
- 46 The X-coordinate of the origin point is _____
 A. 0 B. 1 C. 2 D. 3
- 47 The horizontal line in the coordinate plane is called _____
 A. x-axis. B. y-axis. C. origin point.
- 48 The vertical number line on a coordinate plane is called _____
 A. x-axis. B. y-axis. C. origin point.
- 49 The point of intersection of x-axis and y-axis is called _____
 A. x-axis. B. y-axis. C. origin point.

Complete the following

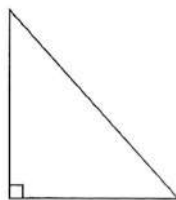
Unit 10

- 1 The two _____ lines are never intersecting.
- 2 The subcategory between the square and the rectangle ,they have _____ angles.
- 3 The subcategory between the square and the rhombus. ,they have _____ sides.
- 4 In the equilateral triangle LMN , $LM = MN = 5\text{ cm}$, then $LN =$ _____ cm
- 5 The equilateral triangle ABC has $AB = BC =$ _____
- 6 The triangle XYZ is an equilateral triangle whose perimeter is 18 cm , then $XY =$ _____ cm
- 7 In $\triangle ABC$, $AB = BC = 7\text{ cm}$ and $AC = 4\text{ cm}$, then the triangle is _____
- 8 In $\triangle ABC$, $AB = 5\text{ cm}$, $BC = 7\text{ cm}$ and $AC = 3\text{ cm}$, then the triangle is _____
- 9 In any triangle, there are two _____ angles at least.
- 10 The right-angled triangle has two acute angles and _____ angle.
- 11 In the triangle ABC , $m(\angle A) = m(\angle B) = 70^\circ$ and $m(\angle C) = 40^\circ$, then the triangle is _____ angled triangle.
- 12 The opposite triangle is called _____ triangle.



Choose the correct answer

- 13 The triangle opposite is _____ - angled triangle.



- 14 The area of rectangle of dimensions $2\frac{3}{4}$ m and $3\frac{1}{2}$ m is _____

- 15 The area of rectangle of dimensions 2 m and $2\frac{1}{2}$ m = _____

- 16 The X-coordinate of the point (1, 4) is _____

- 17 The point (0, 7) lies on _____ - axis.

- 18 In the points (1, 5), (2, 10) and (3, 15), the _____ values increase by 5

- 19 The value of the missing numbers in the following table are _____ and _____

X- values	1	3	5	7	9	11
Y- values	5	15	25	—	45	—

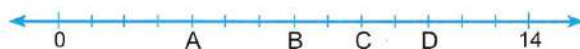
Answer the following

- 1 A house has a door that is $1\frac{1}{2}$ m wide and $2\frac{1}{2}$ m long. What is the area of the door in square meters ?

- 2 Which is greater in area ?

A rectangle of length $2\frac{1}{2}$ cm and width $3\frac{1}{3}$ cm or another rectangle of dimensions $3\frac{1}{2}$ cm and $2\frac{1}{3}$ cm

- 3 Use the number line to answer the questions.



1. What is the value of C ?

2. What is the value of D ?

3. What is the value of A ?

4. How far is point B from D ?

5. How far is point C from A ?

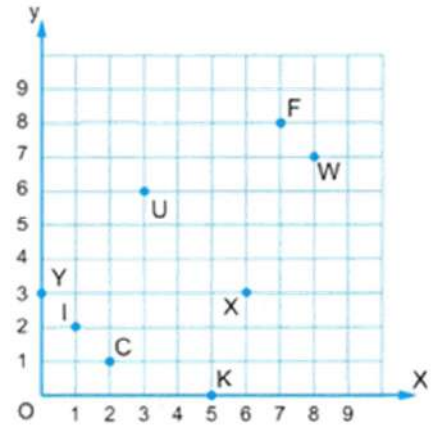
Unit 10

Answer the following

4 In the following grid , observe and answer.

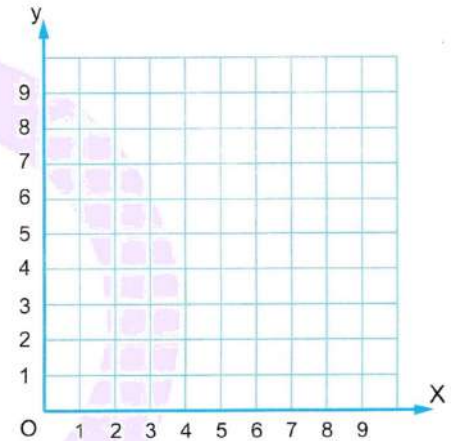
Write the ordered pair of each of the following points :

1. W _____ 2. Y _____ 3. I _____
 4. F _____ 5. C _____ 6. X _____
 7. K _____ 8. U _____



5 In the opposite coordinate plane :

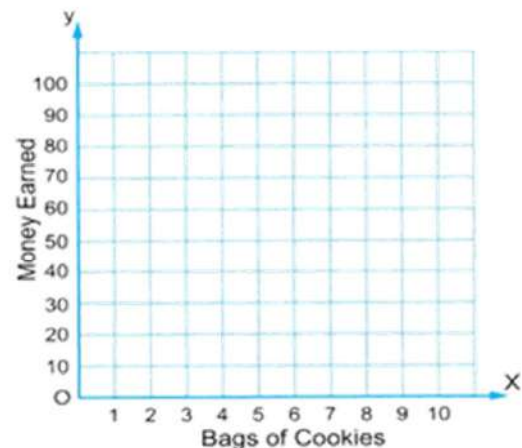
1. Graph the figure ABCD where
 $A(2, 8)$, $B(3, 4)$, $C(8, 4)$ and $D(7, 8)$
 2. What is the name of the figure
 ABCD ?
 3. What is the length of $\overline{AD}$?
 4. $\overline{AD} \parallel$ _____, $\overline{AB} \parallel$ _____



6 Yara is selling bags of cookies in her friends to make extra money to buy a new bike.
 She earns 10 L.E. for each bag of cookies she sells.

Complete the table and then graph the points on the coordinate grid.

Bages of Cookies	Money Earned in L.E.
2	_____
4	_____
7	_____
8	_____
10	_____



Answer the following

- 7 Yehia and Paula are in a 5-hour bike race. Yehia is travelling at a rate of 40 kilometers per hour. Paula is travelling at a rate of 50 km/hr

(1) Use that information to complete the tables.

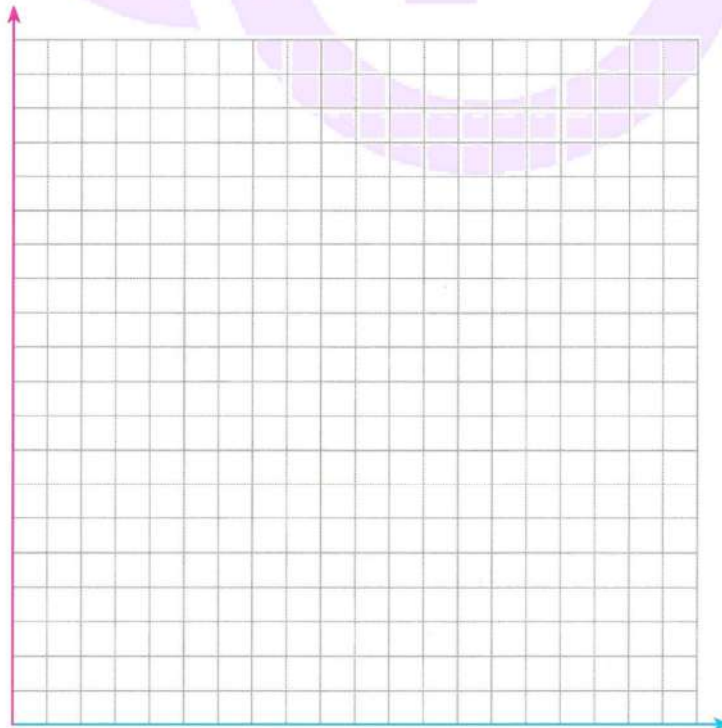
Yehia [40 km/hr]

Number of Hours	Total Distance [km]
1	
2	
3	
4	
5	

Paula [50 km/hr]

Number of Hours	Total Distance [km]
1	
2	
3	
4	
5	

- (2) Graph the data from your table on the coordinate plane. Use a different color to represent each biker's data. Remember to label the x-axis and the y-axis and determine the scale for each axis.



The Answers

Choose the correct answer :

- | | | | | |
|-------|-------|-------|-------|-------|
| 1. C | 2. B | 3. A | 4. D | 5. D |
| 6. C | 7. A | 8. B | 9. A | 10. C |
| 11. C | 12. B | 13. C | 14. D | 15. B |
| 16. B | 17. D | 18. D | 19. B | 20. C |
| 21. A | 22. C | 23. B | 24. A | 25. D |
| 26. B | 27. B | 28. B | 29. C | 30. C |
| 31. B | 32. C | 33. A | 34. B | 35. B |
| 36. B | 37. B | 38. C | 39. C | 40. D |
| 41. B | 42. B | 43. A | 44. D | 45. C |
| 46. A | 47. A | 48. B | 49. C | |

Complete the following:

- | | | | |
|-------------|---------------------------------|---------------------|-------------|
| 1. parallel | 2. 4 right | 3. 4 equal | 4. 5 |
| 5. AC | 6. 6 | 7. isosceles | 8. scalene |
| 9. Acute | 10. one right | 11. Acute | 12. Scalene |
| 13. right | 14. $9 \frac{5}{8} \text{ m}^2$ | 15. 5 m^2 | 16. 1 |
| 17. Y | 18. Y | 19. 35 , 55 | |

The Answers

Answer the following:

1. $3 \frac{3}{4}$

2. The first = $8 \frac{1}{3}$, the second $8 \frac{1}{6}$, the first is greater

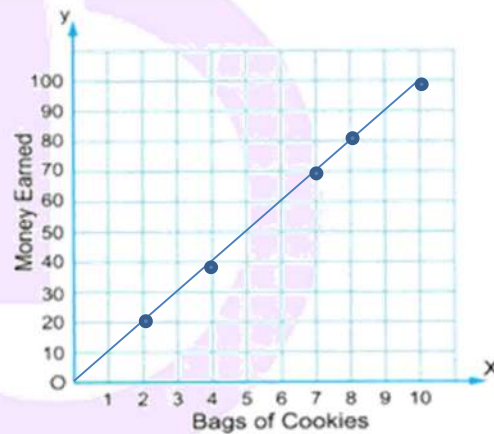
3. 1) 9 2) 11 3) 4 4) 4 units 5) 5 units

4. W(8,7) Y(0,3) I(1,8) F(7,8) C(2,1) X(6,3) K(5,0) U(3,6)

5. 1) answer by yourself 2) parallelogram 3) AD//BC , AB//DC

6.

Bages of Cookies	Money Earned in L.E.
2	20
4	40
7	70
8	80
10	100



7)

1.

Yehia [40 km/hr]

Number of Hours	Total Distance [km]
1	40
2	80
3	120
4	160
5	200

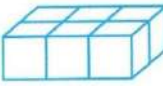
Paula [50 km/hr]

Number of Hours	Total Distance [km]
1	50
2	100
3	150
4	200
5	250

2. Draw by yourself

Units 11&12

Choose the correct answer

- 1 The solid which has no edges , no faces , no vertices is called _____.
A. cube B. sphere C. cone D. cuboid
- 2 The cone has _____ edge[s].
A. 0 B. 1 C. 6 D. 12
- 3 The _____ has one vertex.
A. cube B. cuboid C. cone D. cylinder
- 4 The cylinder has _____ base(s).
A. 0 B. 1 C. 2 D. 3
- 5 The _____ has 2 circular bases.
A. cone B. cube C. sphere D. cylinder
- 6 The cube has _____ faces.
A. 6 B. 4 C. 8 D. 12
- 7 The _____ has 12 edges , 8 vertices and 6 square faces.
A. cube B. rectangular prism C. square pyramid D. cylinder
- 8 Number of edges of cube Number of edges of cuboid.
A. < B. > C. =
- 9 Number of edges of cube + number of edges of cone = _____.
A. 12 B. 13 C. 24 D. 14
- 10 The square pyramid has _____ triangular faces.
A. 4 B. 5 C. 7 D. 8
- 11  has _____ 
A. 3 B. 4 C. 5 D. 6

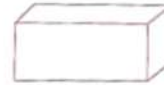
Units 11&12

Choose the correct answer

12 The opposite solid is called _____

- A. rectangular prism
C. rectangle

- B. cube
D. square



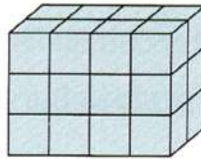
13 Number of horizontal layers of _____ is _____

A. 4

B. 2

C. 3

D. 24



14 The cuboid has 4 horizontal layers and 2 cube units in each layer, then its volume = _____ cube units.

A. 8

B. 12

C. 4

D. 3

15 A cuboid has 2 vertical slices and each slice has 5 cm^3 , then its volume = _____ cm^3

A. 7

B. 10

C. 3

D. $\frac{5}{2}$

16 Volume of cuboid = length $\times$ width $\times$ _____

A. area.

B. perimeter.

C. height.

D. 2

17 The volume of cuboid = _____ $\times$ height.

A. length.

B. width.

C. base area

D. perimeter.

18 Length of cuboid = _____

A. $L \times w \times h$

B. $\frac{\text{volume}}{w \times h}$

C. $\frac{\text{base area}}{h}$

D. $w \times h$

19 Which of the following is correct for the rectangular prism?

A. volume = length $\times$ height

B. width = $\frac{\text{volume}}{\text{height}}$

C. length = $\frac{\text{base area}}{\text{volume}}$

D. height = $\frac{\text{volume}}{\text{base area}}$

20 The cubic centimeter is the unit of measuring _____

A. the perimeter

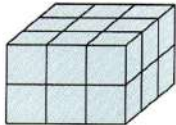
B. the length

C. the area

D. the volume

Choose the correct answer

Units 11&12

- 21 Volume of  equals  _____
- A. $[3 + 3] \times 2$ B. $[3 + 2] \times 3$ C. $3 \times 2 \times 3$ D. $3 + 2 + 3$
- 22 The volume of the opposite figure =  _____
- A. 3 B. 4 C. 7 D. 8
- 23 Volume of the solid formed from folding the net square = _____ cube units.
- A. 12 B. 26 C. 21 D. 7
- 24 Cuboid of length 5 m, width 2 m and height 3 m, then its volume = _____
- A. 30 cm B. 10 cm^3 C. 12 cm^3 D. 30 m^3
- 25 Capacity of water can be poured in a cuboid vessel of inner dimensions 30 cm, 20 cm and 10 cm equals _____ cm^3
- A. 60 B. 6,000 C. 5,000 D. 4,000
- 26 If the base area of cuboid is 21 cm^2 and the height is 3 cm, then the volume of this cuboid = _____ cm^3
- A. 24 B. 63 C. 18 D. 7
- 27 A cuboid whose volume 60 cm^3 and its height 5 cm, then its base area = _____ cm^2
- A. 300 B. 65 C. 55 D. 12
- 28 Volume of cuboid = 28 cm^3 and base area = 7 cm^2 then its height = _____ cm
- A. 196 B. 21 C. 4 D. 35

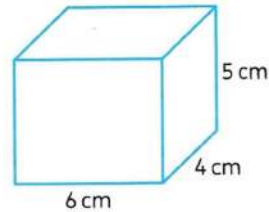
Choose the correct answer

Units 11&12

29 Volume of opposite cuboid = _____ cm^3

A. 15

B. 120

C. $\frac{6}{5 \times 4}$ D. $6 + 5 - 4$ 

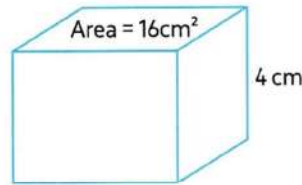
30 Volume of opposite solid is _____ cm^3

A. 4

B. 20

C. 12

D. 64



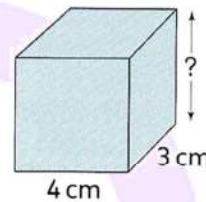
31 Length of the missing dimension in the opposite figure its volume 48 cm^3 is _____ cm.

A. 2

B. 3

C. 4

D. 5



32 Data can represented by _____

A. line plot

B. pie graph

C. pictograph

D. all of them

33 A _____ is a circle divided into sectors.

A. line plot

B. bar graph

C. pictograph

D. pie chart

34 A _____ is bounded by an arc and two radii.

A. bar graph

B. sector

C. pie graph

D. line plot

35 The sum of the measures of angles around at a point is equal _____ $^\circ$

A. 90

B. 180

C. 270

D. 360

36 The measure of the central angle which represents $\frac{1}{2}$ of the circle _____ $^\circ$

A. 45

B. 90

C. 180

D. 360

37 The measure of the central angle which represents $\frac{1}{4}$ of the circle is _____ $^\circ$

A. 45

B. 90

C. 180

D. 360

Choose the correct answer

Units 11&12

38. The measure of the angle which represents $\frac{1}{3}$ of the circle = _____

- A. 30° B. 36° C. 60° D. 120°

39. The fraction which represents 0.5 in the pie chart is _____

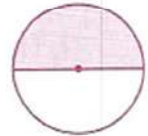
- A. $\frac{1}{2}$ B. $\frac{1}{4}$ C. $\frac{1}{10}$ D. 1

40. The decimal that represents one fourth of a circle = _____

- A. 0.75 B. 0.5 C. 0.25 D. 0.2

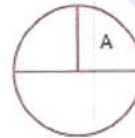
41. The decimal that represents the shaded part of the pie charts = _____

- A. 0.25 B. 0.5 C. 0.1 D. 0.15



42. What is the fraction that represents sector A?

- A. $\frac{3}{4}$ B. $\frac{1}{2}$
C. $\frac{1}{3}$ D. $\frac{1}{4}$



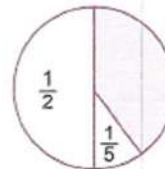
43. The shaded part represents _____ of the circle.

- A. $\frac{1}{4}$ B. $\frac{1}{2}$ C. $\frac{3}{4}$ D. $\frac{2}{3}$



44. The fraction that represents the shaded part = _____

- A. $\frac{2}{5}$ B. $\frac{3}{5}$
C. $\frac{3}{10}$ D. $\frac{7}{10}$



45. The circular degree that matches the shaded fraction of this circle is _____

- A. 30° B. 180°
C. 90° D. 270°



46. The measure of the central angle that represents the colored sector is _____

- A. 60° B. 30° C. 45° D. 90°



Units 11&12

Choose the correct answer

47. In the following table what is the fraction that represents the blue color _____

Color	Red	Blue	Green
Fractions	$\frac{1}{2}$	_____	$\frac{3}{10}$

- A. $\frac{2}{10}$ B. $\frac{1}{2}$ C. $\frac{3}{10}$ D. $\frac{7}{10}$

Complete the following

- The _____ has no edges, no flat faces and no vertices.
- The _____ has 6 squared faces, 12 edges and 8 vertices.
- The _____ has squared base, 5 faces, 8 edges and 5 vertices.
- The _____ has 2 circular bases, no edges and no vertices.
- The _____ has one circular base, one vertex and no edges.
- Volume of cuboid = _____ $\times$ _____ $\times$ _____
- Volume of cuboid = _____ $\times$ heigh
- Height of cuboid = _____ $\div$ _____
- A cuboid of length 6 cm , width 4 cm and height 3 cm , then its volume = _____ cm^3
- Cuboid of base area 16 cm^2 and heigh 3 cm , then its volume = _____ cm^3
- Volume of cuboid is 40 cm^3 , its length 5 cm and width 4 cm, then its height = _____ cm

Units 11&12

Complete the following

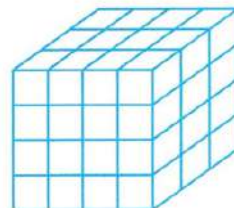
12 In the opposite solid :

1. Number of horizontal layers is _____

2. Number of cubes in each horizontal layer is _____

3. Volume = _____ $\times$ _____ = cm^3

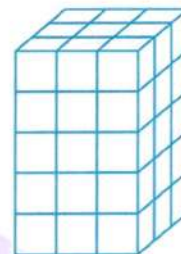
The opposite solid is called _____



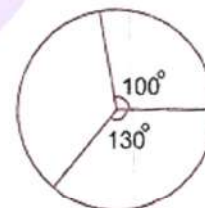
13 In the opposite solid :

1. Number of vertical slices : _____

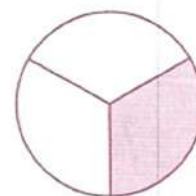
2. Number of cubes in each vertical slice : _____

3. Volume = _____ $\times$ _____ = _____ cm^3 14 The measure of whole circle = _____ $^\circ$

15 The measure of the central angle that represents half the circle is _____

16 The measure of the central angle which represents $\frac{1}{4}$ of the circle is _____17 The measure of central angle of missing sector = _____ $^\circ$ 

18 The circular degrees that match the fraction of the circle that is shaded is _____

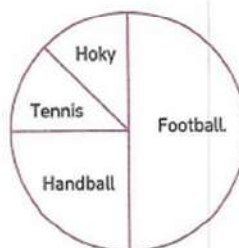


19 In the opposite figure :

a. The fraction of football is _____

b. The fraction of tennis is _____

c. The fraction of handball is _____

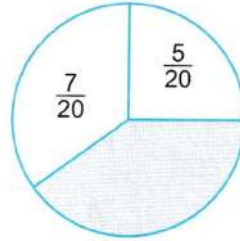


Units 11&12

Complete the following

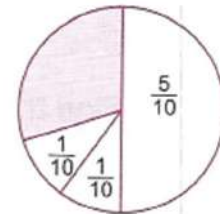
- 20 In the opposite figure :

The fraction of the shaded
pie chart = _____



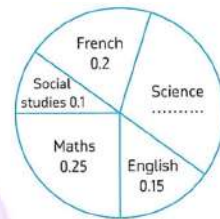
- 21 In the opposite figure :

The fraction that represents the shaded part is _____



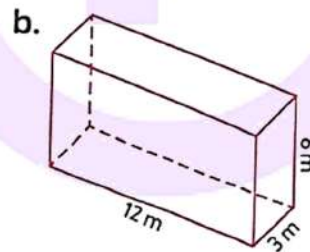
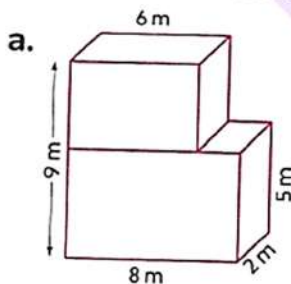
- 22 In the opposite figure :

The sales fraction of science books is _____



Answer the following

- 1 Which of the following has the greater volume ?



- 2 A carpenter makes a box of wood whose length is 60 cm , its width is 50 cm , and its height is 80 cm , find the volume of the box.
- 3 A cuboid with base area 80 cm^2 and its height = 5 cm , find the volume
- 4 A juice can is in the shape of cuboid , its base is square-shaped of side length 5 cm. and its height is 10 cm Calculate the volume of juice can.

Units 11&12

Answer the following

- 5 A cuboid whose volume is 4000 cm^3 and base area is 800 cm^2
Find the height of this cuboid.
- 6 A cuboid whose volume is 240 cm^3 , its length is 5 m and the width is 4 m
Find its height.
- 7 The following table shows the rate of the score of 200 students in one school of Cairo governorate :

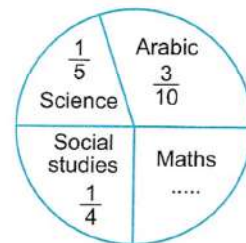
Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$



Represent these data by the opposite pie chart.

- 8 The opposite figure shows the fractions of time that Enas spends in studying different subjects.

- Find the fraction of the time that Enas spends in studying social studies.
- Find the fraction of the time that Enas spends in studying Maths.
- Find the fraction of the time that Enas spends in studying Arabic.
- If the total time that Enas studies is 8 hours. Find the time of Maths in hours.



The Answers

Choose the correct answer:

- | | | | | |
|-------|-------|-------|-------|-------|
| 1. B | 2. A | 3. C | 4. C | 5. D |
| 6. A | 7. A | 8. C | 9. A | 10. A |
| 11. D | 12. A | 13. C | 14. A | 15. B |
| 16. C | 17. C | 18. B | 19. D | 20. D |
| 21. C | 22. C | 23. A | 24. D | 25. B |
| 26. B | 27. D | 28. C | 29. B | 30. D |
| 31. C | 32. D | 33. D | 34. B | 35. D |
| 36. C | 37. B | 38. D | 39. A | 40. C |
| 41. B | 42. D | 43. C | 44. C | 45. C |
| 46. C | 47. A | | | |

Complete the following:

- | | | | |
|---------------------|----------------------------|-----------------------|------------------|
| 1) sphere | 2) cube | 3) pyramid | 4) cylinder |
| 5) cone | 6) length x width x height | 7) base area | |
| 8) area ÷ base area | 9) 72 | 10) 48 | 11) 2 |
| 12) 1. 4 | 2. 12 | 3. $4 \times 12 = 48$ | cuboid |
| 13) 1. 3 | 2. 12 | 3. $3 \times 12 = 36$ | |
| 14) 360 | 15) 180 | 16) 90 | 17) 130 |
| 18) 120 | 19) a. $\frac{1}{2}$ | b. $\frac{1}{8}$ | c. $\frac{1}{4}$ |
| 20) $\frac{8}{20}$ | 21) $\frac{3}{10}$ | 22) $\frac{3}{10}$ | |

The Answers

Answer the following:

1) a. $2 \times 6 \times 4 + 2 \times 8 \times 5 = 128 \text{ m}^3$

b. $3 \times 12 \times 6 = 216 \text{ m}^3$ is greater

2) $v = 60 \times 50 \times 80 = 240,000 \text{ cm}^3$

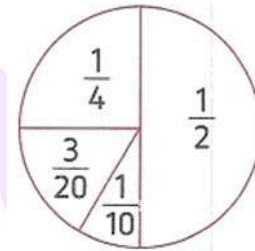
3) $v = 80 \times 5 = 4000 \text{ cm}^3$

4) $v = 5 \times 5 \times 10 = 250 \text{ cm}^3$

5) $h = 4000 \div 800 = 5 \text{ cm}$

6) $h = 240 \div 20 = 12 \text{ m}$

7)



8) a. $\frac{1}{4}$

b. $\frac{1}{4}$

c. $\frac{3}{10}$

d. $\frac{1}{4} \times 8 = 2 \text{ hours}$

شرح خطوات الحل على قناة



Math For Kids: Hoda Ismail

حمل الآن

مجاناً وحصرياً

المراجعة رقم (7)

اختبار شهر ابريل



Q1: Choose the correct answer :-

- 1** The triangle whose side lengths are ----- is an isosceles triangle.
(a) 7cm ,7cm ,7cm (b) 5cm,7cm,5cm (c) 4cm ,5cm ,3cm (d) 8cm ,6cm ,9cm
- 2** The X-coordinate in ordered pair (3 ,4) is -----
(a) 3 (b) 4 (c) 7 (d) 1
- 3** The polygon which has only one pair of parallel sides is called ----
(a) trapezium (b) parallelogram (c) rhombus (d) square
- 4** The area of rectangle of length $\frac{2}{3}$ cm and width $\frac{2}{5}$ cm is -----
(a) $\frac{3}{20}$ (b) $\frac{4}{20}$ (c) $\frac{4}{9}$ (d) $\frac{4}{15}$
- 5** The measure of any angle of the square -----
(a) 60 (b) 90 (c) 100 (d) 180
- 6** If the area of rectangle is 2 square meters and one of its dimensions is $\frac{1}{2}$ m, then the other dimension is -----
(a) 1 m (b) 2 m (c) $2\frac{1}{2}$ m (d) 4 m
- 7** The hexagon has ----- sides.
(a) 4 (b) 5 (c) 6 (d) 7
- 8** The y-coordinate in the ordered pair (5 , 3) is -----
(a) 3 (b) 5 (c) 2 (d) 8
- 9** Which of the following points located on x-axis ?
(a) (4 , 0) (b) (0 , 4) (c) (4 , 5) (d) (5 , 4)

Q2: Answer the following :-

1 Ahmed owns a parking lot. The lot is 4 kilometers Long and $3\frac{1}{2}$ km wide. What is the area of the parking lot?

.....

.....

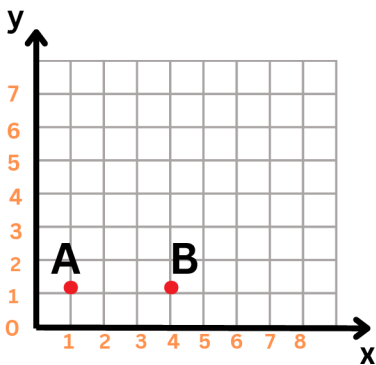
2 Ahmed is making a design using a quadrilateral of 4 right angles. Write its name and draw it .

.....

.....

3 Plot the following points on the coordinate plan.

- a C (1 , 4) D (4 , 4)
- b Write the ordered pair which represent
A (----- , -----) B (----- , -----)

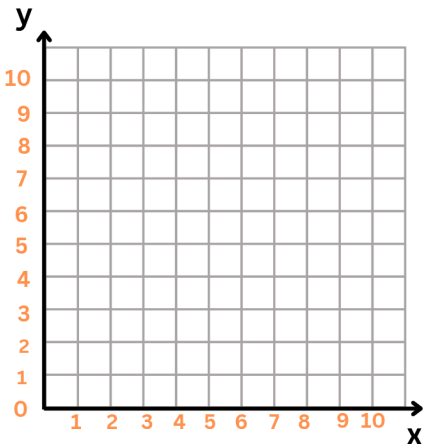


4 a Graph the figure ABCD where

- A (2 , 2) B (2 , 5)
- C (6 , 5) D (6 , 2)

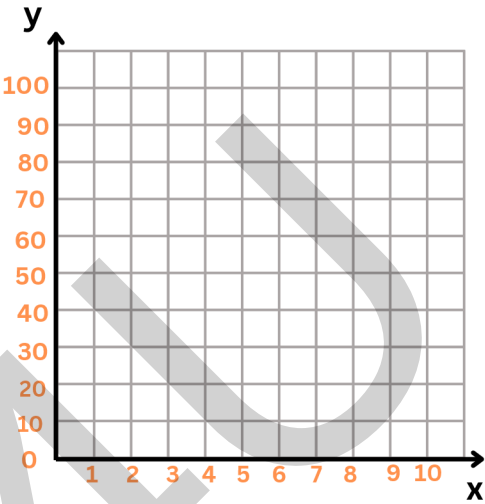
b What is the name of the figure ABCD?

.....



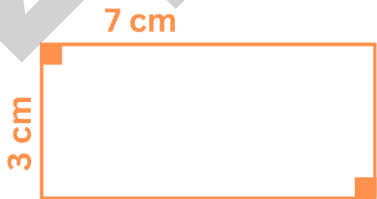
- 5 Lara is selling bags of cookies to make extra money . She earns 10 LE for each bag of cookies . Complete the table then graph the points on the coordinate grid .

Bags	2	4	7	8
Money	.....	.....	.....	.....



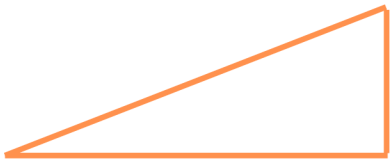
- 6 Find the area of the opposite shape .

.....



- 7 Which two types of triangles are shown?

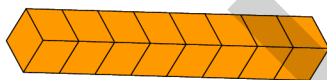
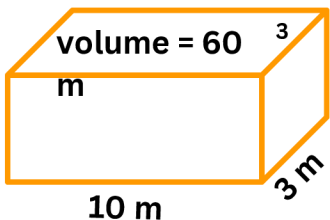
- ☐ a scalene triangle ☐ d right triangle
☐ b isosceles triangle ☐ e acute triangle
☐ c equilateral triangle ☐ f obtuse triangle



(خالص الأمنيات وبدوام التوفيق للجميع)

Q1: Choose the correct answer :-

30

- 1 The solid which has no edges, no faces, no vertices is called -----
 (a) cube (b) sphere (c) cone (d) cuboid
- 2 Number of edges of cube + number of edges of cone = -----
 (a) 12 (b) 13 (c) 24 (d) 14
- 3 Cuboid of length 11 cm, width 2 cm and height 4 cm, then its volume is ----- cm^3
 (a) 88 (b) 55 (c) 16 (d) 5
- 4 The unit of measuring volume is -----
 (a) cm (b) square cm (c) cubic cm (d) meter
- 5 Capacity of water can be poured in a cuboid vessel of inner dimentions 30 cm, 20 cm and 10 cm equals ----- cm^3
 (a) 60 (b) 6,000 (c) 5,000 (d) 4,000
- 6 Volume of  equals ----- 
 (a) 64 (b) 16 (c) 8 (d) 4
- 7 The missing dimension in the opposite cuboid is ----- m
 (a) 2 (b) 5
 (c) 6 (d) 30

- 8 The square pyramid has ----- triangular faces.
 (a) 4 (b) 5 (c) 7 (d) 8
- 9 A cuboid has 4 horizontal layers and 5 cube units in each Layer, then its volume = ----- cube unit(s).
 (a) 9 (b) 20 (c) $\frac{5}{4}$ (d) $\frac{4}{5}$

Q2: Answer the following :-

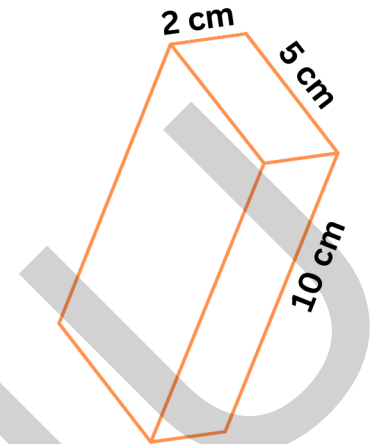
- 1 Find the volume of the opposite figure.

.....

.....

.....

.....

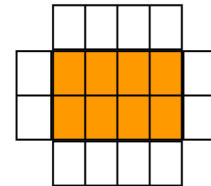


- 2 Rami used 15 cubes to build a 3 dimensions shape if the volume of each cube is 27 cm^3 , then find the volume of compound shape.

.....

.....

- 3 Find the volume of obtained solid by folding the opposite shape.



.....

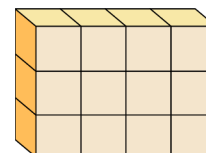
.....

- 4 Which of the following is greater in volume ?

a



b



.....

.....

- 5 A cuboid whose volume 300 cm^3 and its base area 30 cm^2 . Find its height .

.....

.....

- 6 Find the volume of rectangular prism its length 6 cm , width 5 cm and height 10 cm .

.....

.....

.....

- 7 A container of volume $45,000 \text{ cm}^3$ is full of oil. Oil was poured into a cuboid-shaped container with a square base of side length 30 cm.
Find the height of oil in the second container.

.....

.....

.....

(خالص الأمنيات وبدوام التوفيق للجميع)

Q1 :-

- 1

B
- 2

A
- 3

A
- 4

D
- 5

B
- 6

D
- 7

C
- 8

A
- 9

A

Q2 :-

- 1

The area of parking lot =
 $4 \times 3 \frac{1}{2} = 4 \times \frac{7}{2} = \frac{28}{2} = 14 \text{ km}^2$
- 6

Area = $7 \times 3 = 21 \text{ cm}^2$
- 7

Scalene triangle , right angle

- 2

Rectangle

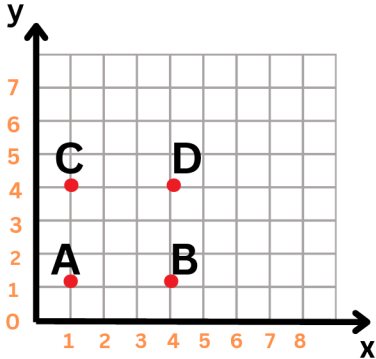


- 3

b

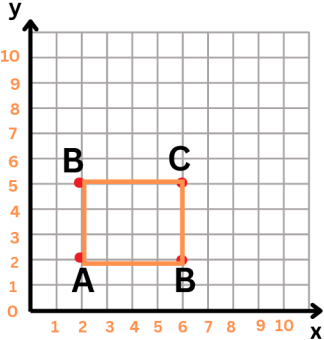
The ordered pair which represent
A (1, 1) B (4, 1)

a



- 4

a

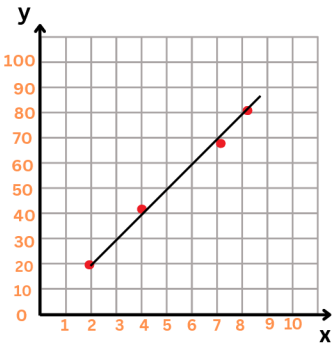


- b

Rectangle

- 5

Bags	2	4	7	8
Money	20	40	70	80



Q1 :-

- | | | | | |
|------------|------------|------------|------------|------------|
| 1 B | 2 A | 3 A | 4 C | 5 B |
| 6 C | 7 A | 8 B | 9 B | |

Q2 :-

- 1** The volume of the figure = $2 \times 5 \times 10 = 100 \text{ cm}^3$
- 2** The volume of compound shape = $27 \times 15 = 405 \text{ cm}^3$
- 3** The volume of figure = $2 \times 4 \times 1 = 8$ cube units
- 4** **a** The volume of figure a = $2 \times 5 \times 1 = 10$ cube unit
- b** The volume of figure b = $3 \times 12 \times 1 = 36$ cube unit

The volume of figure b is greater.

- 5** The height = $300 \div 30 = 10 \text{ cm}$
- 6** The volume of rectangular prism = $6 \times 5 \times 10 = 300 \text{ cm}^3$
- 7** The height = $\frac{45,000}{30 \times 30} 50 \text{ cm}$

حمل الآن

مجاناً وحصرياً

المراجعة رقم (8)

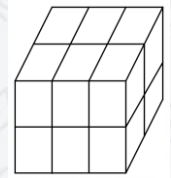
اختبار شهر ابريل



Model (1)

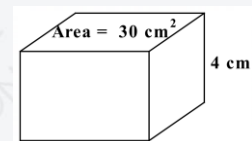
Question 1 : Choose the correct answer :

- 1 The number of axes of symmetry of the rectangle is
 (a) 0 (b) 1 (c) 2 (d) 3
- 2 The horizontal number line on a coordinate plane is called
 (a) Origin (b) x-axis (c) y-axis (d) atherwise
- 3 The volume of the cuboid whose dimensions 10 cm, 8cm and 5cm is
 (a) 400 cm (b) 400 cm^2 (c) 400 cm^3 (d) 23 cm^3
- 4 The x-coordinate in ordered pair (2,5) is
 (a) 10 (b) 2 (c) 5 (d) $\frac{2}{5}$
- 5 The number of vertices of the quadrilateral pyramid is
 (a) 2 (b) 3 (c) 4 (d) 5
- 6 A cuboid has 2 horizontal layers and each layer has 6 cm^3 , then its volume =
 (a) 8 (b) 4 (c) 12 (d) 16
- 7 If $m(\angle X) = 40^\circ$, $m(\angle Y) = 90^\circ$ and $m(\angle Z) = 50^\circ$, then the triangle is Angled triangle
 (a) An acute (b) A right (c) An obtuse (d)
- 8 The triangle whose side length are is an equilateral triangle
 (a) 7cm, 6cm, 5cm (b) 5cm, 7cm, 5cm
 (c) 4cm, 4cm, 4cm (d) 8cm, 8cm, 3cm
- 9 Number of vertices of cube number of vertices of cuboid
 (a) > (b) < (c) = (d)

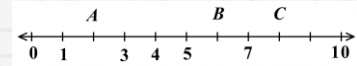


Question 2 : Answer the following questions :

- 1 Find the volume of this solid?

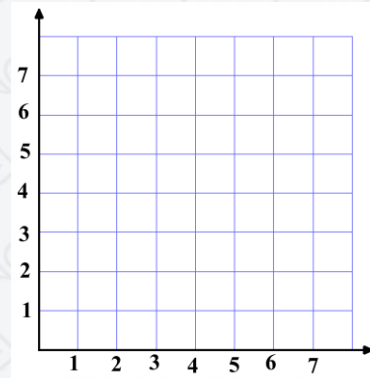


- 2 Use the opposite number line to answer the questions:
- what is the value of B ?
 - How far is point c from point A ?

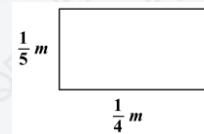


- 3 Find the Area of rectangle with length of 10 units and width of 7 units

- 4 In the opposite coordinated:
Graph the figure ABCD where
- (2, 3)
 - (2, 5)
 - (7, 5)
 - (7, 3)



- 5 A cube has an edge length of 5 cm, calculate its volume
- 6 A rectangular prism whose dimensions are 5cm, 3cm, and 4cm find its volume ?
- 7 Find the area of the opposite rectangle



Model (2)

Question 1 : Choose the correct answer :

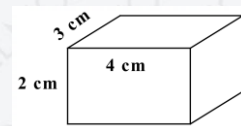
- 1 The opposite triangle
- Right
 - Obtuse
 - Acute
 - otherwise
- 2 It's impossible to draw a triangle with two angles
- Acute
 - Obtuse
 - Right
 - both band C



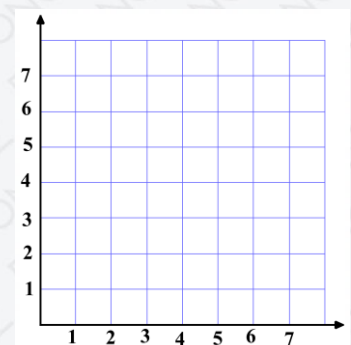
- 3 The measure of an acute angle maybe
- (a) 0° (b) 40° (c) 90° (d) 170°
- 4 $length \times width \times height = \dots\dots\dots$
- (a) Area (b) Perimeter (c) Volume (d) Base area
- 5 The sphere has Vertex
- (a) 0 (b) 1 (c) 2 (d) 12
- 6 The volume of cuboid = base area $\times$
- (a) Length (b) Width (c) Height (d) Perimeter
- 7 The point (0, 9) lies on
- (a) y-axis (b) x-axis (c) Origin point (d) otherwise
- 8 The triangle whose side lengths are 5cm, 3cm, 5cm is
- (a) Iso celes (b) Equilateral (c) Scalene (d) Otherwise
- 9 Area of rectangle whose length 3cm, width $2\frac{1}{3}$ cm is cm^2
- (a) 8 (b) 7 (c) 6 (d) 5

Question 2 : Answer the following questions :

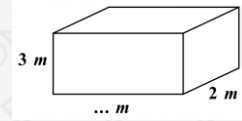
- 1 Find the area of rectangle with length of 10 units and width of 7 units
- 2 Find the volume of the opposite solid



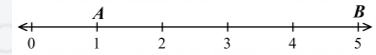
- 3 Plot the following points, A(2, 6), B (7, 3), C (1, 3), connect the points in order
- a) What is the name of the shape ABC
- b) What is the type of the shape according to it's sides ?



- 4 Find the unknown dimension in the opposite figure if you know that the volume = $72 m^3$



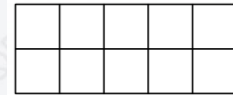
- 5 In the opposite number line: The length of $\overline{AB}$ = Unit(s) length



- 6 Count the unit(s) to determine the area of opposite rectangle

a) number of unit(s) =

b) area using rule =



- 7 The area of rectangle is $42 cm^2$ and its length is 7cm, then its width = cm

Model (3)

Question 1 : Choose the correct answer :

- 1 How many lines of symmetry does a square have ?
 (a) 1 (b) 2 (c) 9 (d) 4
- 2 In the order pair (4, 5) the x-coordinate is
 (a) 5 (b) 4 (c) 9 (d) 0
- 3 The volume of the rectangle prism, whose dimensions are 3m, 2m and 5m is..... m^3
 (a) 60 (b) 30 (c) 10 (d) 12
- 4 The triangle of side lengths 5cm, 7cm, 5cm is called
 (a) An equilateral (b) An isosceles (c) A scalene (d) Right
- 5 The number of edges of the cube is
 (a) 5 (b) 6 (c) 3 (d) 12
- 6 The four angles are equal in measure in the square and the
 (a) rhombus (b) Parallelogram (c) Rectangle (d) Trapezium

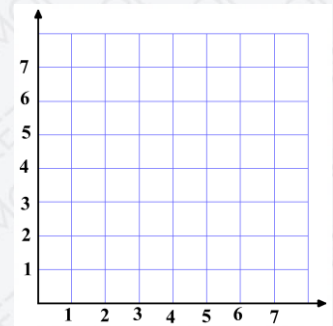
- 7 The origin point is
- (a) (1,0) (b) (0,1) (c) (0,0) (d) (1,1)
- 8 Any triangle has at least acute angle s
- (a) 1 (b) 2 (c) 3 (d) 4
- 9 The solid which has 0 edges, 0 vertices and 0 faces is
- (a) Cube (b) Cuboid (c) Sphere (d) cone

Question 2 : Answer the following questions :

- 1 Graph the figure ABCD where A (2, 5), B (5, 5), C (5, 2), D (2, 2)

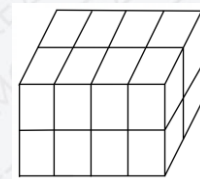
a) What is the name of the figure ABCD ?

b) $\overline{AD} //$



- 2 Find the area of a rectangle of the length $\frac{1}{7}$ cm, and width $\frac{1}{5}$ cm
- 3 If the volume of cuboid = 160 cm^3 and the area of base is 20 cm^2 find the height of that cuboid

- 4 Find the volume of the opposite solid



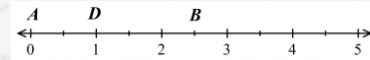
- 5 Complete

a) If triangle was 2, 2, 1 then this is

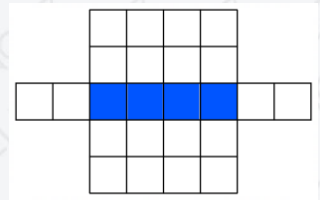
b) If triangle was 5, 5, 5 then this is

c) If triangle was $70^\circ, 80^\circ, 30^\circ$ is

- 6 Write the distance between B and D using the given number line $BD = \dots\dots$ length units



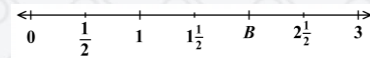
- 7 What is the volume of the solid formed from folding the net square



Model (4)

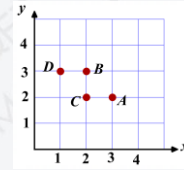
Question 1 : Choose the correct answer :

- 1 The has only one pair of parallel sides
 (a) Parallelogram (b) Rhombus (c) Trapezium (d) Square
- 2 From the opposite number line, the value of point B =
 (a) 2 (b) 3 (c) 4 (d) 6
- 3 The quadrilateral that has no line of symmetry is
 (a) Parallelogram (b) Rhombus (c) Square (d) Rectangle
- 4 The triangle of side lengths 7cm, 4cm, 7cm, is called triangle
 (a) Equilateral (b) Isosceles (c) Scalene (d) Obtuse
- 5 The square centimeter is the unit of measuring the
 (a) Length (b) Width (c) Volume (d) Area
- 6 The polygon whose all 4 sides are the equal in length and all 4 angles are right angles is
 (a) Square (b) Rectangle (c) Rhombus (d) Trapezoid
- 7 The y-coordinate in the ordered pair (5, 4) is
 (a) 1 (b) 4 (c) 5 (d) 9



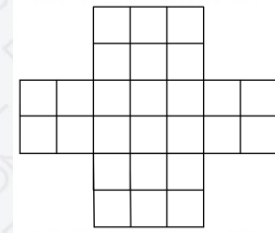
8 Which point has coordinates (1,3) is

- (a) Point A (b) Point D
(c) Point C (d) Point B



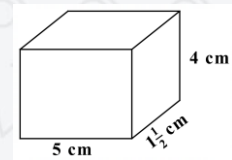
9 Volume of the solid formed from folding the net square = cube units

- (a) 36 (b) 24
(c) 14 (d) 12



Question 2 : Answer the following questions :

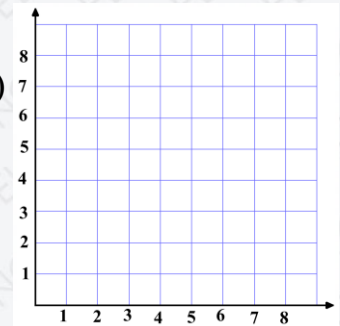
1 Find the volume of opposite cuboid



2 A rectangular room has a length of 4 meters and a width of $2\frac{1}{2}$ meters what is the area of the room ?

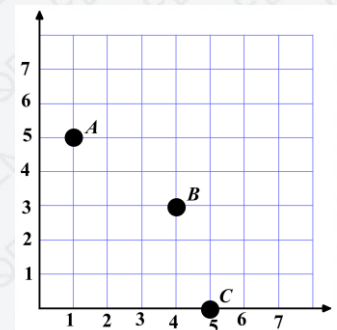
3 In the opposite coordinate plane:

- a) Graph the figure ABCD where A (2, 8), B (3, 4), C (8, 4), D (7, 8)
b) What is the name of the figure ABCD ?

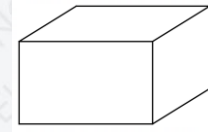


4 From the opposite coordinate plane:

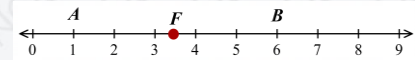
- a) The point representing the ordered pair of (4, 3) is
b) The coordinates of point C (..... ,)



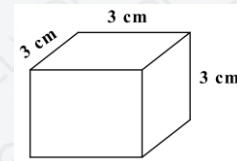
- 5 a) Name of the shape :
b) Number of the edges =
c) Number of the faces =



- 6 In the given number line,
a) The value of point F =
b) The distance from point B to point A = Units



- 7 The volume of the opposite cube = cm^3

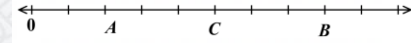


Model (5)

Question 1 : Choose the correct answer :

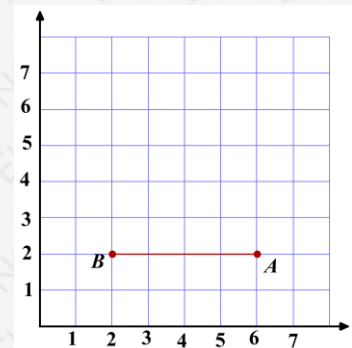
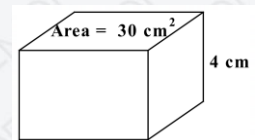
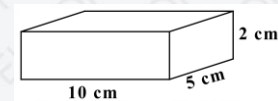
- 1 The y-coordinate in the ordered pair is the number
(a) First (b) Second (c) Third (d) Fourth
- 2 A rectangle has a length of 5cm and width of 2cm, then its perimeter is
(a) 14 cm (b) 20 cm (c) 30 cm (d) 40 cm
- 3 The point (7, 0) lies on
(a) Origin point (b) x-axis (c) y-axis (d)
- 4 The triangle whose measures of angles are 50° , 92° and 38° is called angled
(a) Right (b) Acute (c) Obtuse (d) Straight
- 5 The has one vertex
(a) Cube (b) Cuboid (c) Cone (d) Cylinder
- 6 The quadrilateral that has no line of symmetry is
(a) Square (b) Rhombus (c) Rectangle (d) Parallelogram

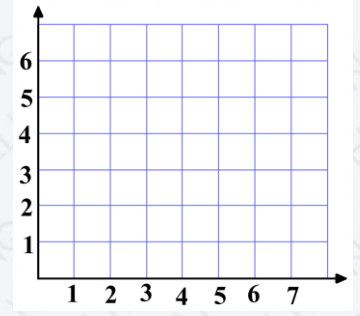
- 7 The cuboid has faces
- (a) 12 (b) 8 (c) 6 (d) 9
- 8 The value of point C =
- (a) 2 (b) 4 (c) 5 (d) 6
- 9 The triangle whose side lengths are 7cm, 8cm, is isosceles triangle
- (a) 5 (b) 6 (c) 7 (d) 9



Question 2 : Answer the following questions :

- 1 Ahmed making a design using a 4 right angles, what its name ?
- 2 A swimming pool is in the shape of cuboid, its base is of length 60 meters and its width is 40 meters, find its depth if $36,000 \text{ cm}^3$ of water fill this swimming pool completely
- 3 Find the volume of the opposite figure
- 4 Find the volume of the opposite cube
- 5 The rectangle of dimensions $\frac{1}{3}$ and $\frac{1}{5}$ unit its area
- 6 Khaled is making a design using the grid.
Starting from point A and match with point B.
place the coordinated of point C to create an isosceles right-angled triangle at A





7

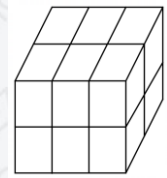
Plot the point on the coordinates grid, then join in order:

A (2, 1), B (3, 4), C (6, 4), D (7, 1)

Model (1)

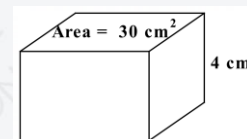
Question 1 : Choose the correct answer :

- 1 The number of axes of symmetry of the rectangle is
 (a) 0 (b) 1 (c) **2** (d) 3
- 2 The horizontal number line on a coordinate plane is called
 (a) Origin (b) **x-axis** (c) y-axis (d) atherwise
- 3 The volume of the cuboid whose dimensions 10 cm, 8cm and 5cm is
 (a) 400 cm (b) 400 cm^2 (c) **400 cm^3** (d) 23 cm^3
- 4 The x-coordinate in ordered pair (2,5) is
 (a) 10 (b) **2** (c) 5 (d) $\frac{2}{5}$
- 5 The number of vertices of the quadrilateral pyramid is
 (a) 2 (b) 3 (c) 4 (d) **5**
- 6 A cuboid has 2 horizontal layers and each layer has 6 cm^3 , then its volume =
 (a) 8 (b) 4 (c) **12** (d) 16
- 7 If $m(\angle X) = 40^\circ$, $m(\angle Y) = 90^\circ$ and $m(\angle Z) = 50^\circ$, then the triangle is Angled triangle
 (a) An acute (b) **A right** (c) An obtuse (d)
- 8 The triangle whose side length are is an equilateral triangle
 (a) 7cm, 6cm, 5cm (b) 5cm, 7cm, 5cm
 (c) **4cm, 4cm, 4cm** (d) 8cm, 8cm, 3cm
- 9 Number of vertices of cube number of vertices of cuboid
 (a) > (b) < (c) **=** (d)



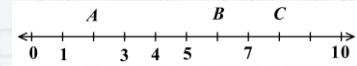
Question 2 : Answer the following questions :

- 1 Find the volume of this solid?
 $30 \times 4 = 120 \text{ cm}^3$



2 Use the opposite number line to answer the questions:

- a) what is the value of B ? 6
b) How far is point c from point A ? 6



3 Find the Area of rectangle with length of 10 units and width of 7 units

$$10 \times 7 = 70 \text{ square units}$$

4 In the opposite coordinated:

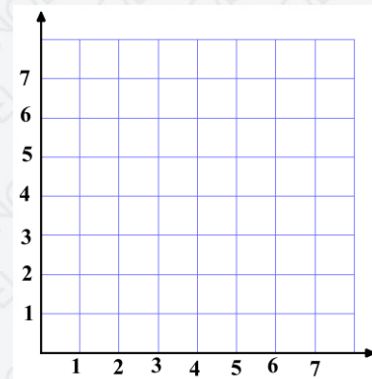
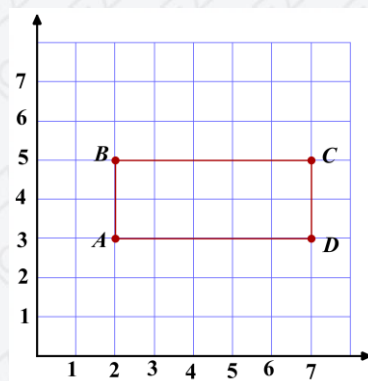
Graph the figure ABCD where

A (2, 3)

B (2, 5)

C (7, 5)

D (7, 3)



5 A cube has an edge length of 5 cm, calculate its volume

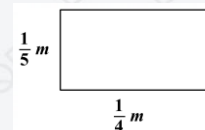
$$5 \times 5 \times 5 = 125 \text{ cm}^3$$

6 A rectangular prism whose dimensions are 5cm, 3cm, and 4cm find its volume ?

$$V = 5 \times 3 \times 4 = 60 \text{ cm}^3$$

7 Find the area of the opposite rectangle

$$\frac{1}{5} \times \frac{1}{4} = \frac{1}{20} \text{ m}^2$$



Model (2)

Question 1 : Choose the correct answer :

- 1 The opposite triangle
 (a) Right (b) Obtuse
 (c) **Acute** (d) otherwise
- 2 It's impossible to draw a triangle with two angles
 (a) Acute (b) Obtuse (c) Right (d) **both band C**
- 3 The measure of an acute angle maybe
 (a) 0° (b) **40°** (c) 90° (d) 170°
- 4 $length \times width \times height = \dots\dots\dots$
 (a) Area (b) Perimeter (c) **Volume** (d) Base area
- 5 The sphere has Vertex
 (a) **0** (b) 1 (c) 2 (d) 12
- 6 The volume of cuboid = base area $\times$
 (a) Length (b) Width (c) **Height** (d) Perimeter
- 7 The point (0, 9) lies on
 (a) **y-axis** (b) x-axis (c) Origin point (d) otherwise
- 8 The triangle whose side lengths are 5cm, 3cm, 5cm is
 (a) **Iso celes** (b) Equilateral (c) Scalene (d) Otherwise
- 9 Area of rectangle whose length 3cm, width $2\frac{1}{3} \text{ cm}$ is cm^2
 (a) 8 (b) **7** (c) 6 (d) 5



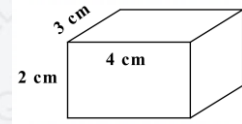
Question 2 : Answer the following questions :

- ① Find the area of rectangle with length of 10 units and width of 7 units

$$A = 10 \times 7 = 70 \text{ units square}$$

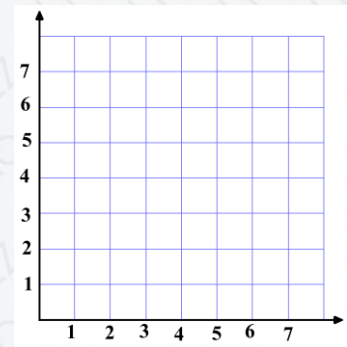
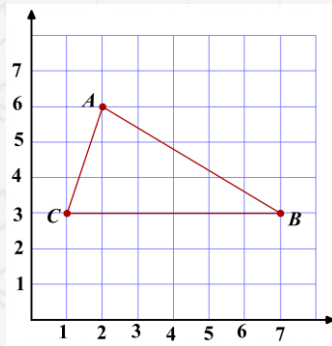
- ② Find the volume of the opposite solid

$$3 \times 4 \times 2 = 24 \text{ cm}^3$$



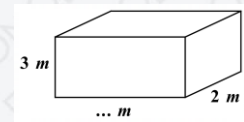
- ③ Plot the following points, A(2, 6), B (7, 3), C (1, 3), connect the points in order

- a) What is the name of the shape ABC
b) What is the type of the shape according to its sides ?
a) Triangle
b) scalene



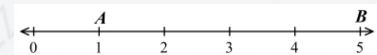
- ④ Find the unknown dimension in the opposite figure if you know that the volume = 72 m^3

$$= \frac{72}{3 \times 2} = \frac{72}{6} = 9 \text{ m}$$



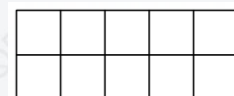
- ⑤ In the opposite number line: The length of $\overline{AB}$ = Unit(s) length

4



- ⑥ Count the unit(s) to determine the area of opposite rectangle

- a) number of unit(s) = 10
b) area using rule = $2 \times 5 = 10$



- 7 The area of rectangle is 42 cm^2 and its length is 7cm, then its width = cm

$$w = \frac{42}{7} = 6 \text{ cm}$$

Model (3)

Question 1 : Choose the correct answer :

- 1 How many lines of symmetry does a square have ?
 (a) 1 (b) 2 (c) 9 (d) **4**
- 2 In the order pair (4, 5) the x-coordinate is
 (a) 5 (b) **4** (c) 9 (d) 0
- 3 The volume of the rectangle prism, whose dimensions are 3m, 2m and 5m is..... m^3
 (a) 60 (b) **30** (c) 10 (d) 12
- 4 The triangle of side lengths 5cm, 7cm, 5cm is called
 (a) An equilateral (b) **An isosceles** (c) A scalene (d) Right
- 5 The number of edges of the cube is
 (a) 5 (b) 6 (c) 3 (d) **12**
- 6 The four angles are equal in measure in the square and the
 (a) rhombus (b) Parallelogram (c) **Rectangle** (d) Trapezium
- 7 The origin point is
 (a) (1,0) (b) (0,1) (c) **(0,0)** (d) (1,1)
- 8 Any triangle has at least acute angle s
 (a) 1 (b) **2** (c) 3 (d) 4

9 The solid which has 0 edges, 0 vertices and 0 faces is

- (a) Cube (b) Cuboid (c) **Sphere** (d) cone

Question 2 : Answer the following questions :

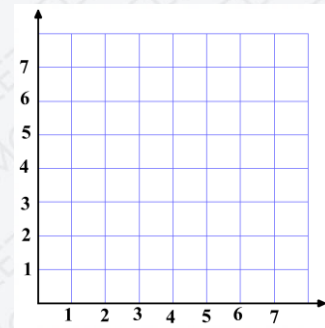
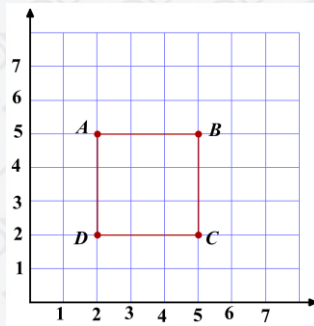
1 Graph the figure ABCD where A (2, 5), B (5, 5), C (5, 2), D (2, 2)

a) What is the name of the figure ABCD ?

b) $\overline{AD} //$

a) **Square**

b) **$\overline{BC}$**



2 Find the area of a rectangle of the length $\frac{1}{7}$ cm, and width $\frac{1}{5}$ cm

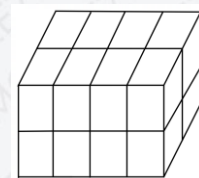
$$\frac{1}{7} \times \frac{1}{5} = \frac{1}{35} \text{ cm}^2$$

3 If the volume of cuboid = 160 cm^3 and the area of base is 20 cm^2 find the height of that cuboid

$$h = \frac{v}{\text{base area}} = \frac{160}{20} = 8 \text{ cm}$$

4 Find the volume of the opposite solid

$$2 \times 4 \times 2 = 16 \text{ units}$$



5 Complete

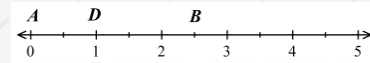
a) If triangle was 2, 2, 1 then this is

b) If triangle was 5, 5, 5 then this is

c) If triangle was $70^\circ, 80^\circ, 30^\circ$ is

- a) Isosles triangle
- b) Equilateral triangle
- c) Acute triangle

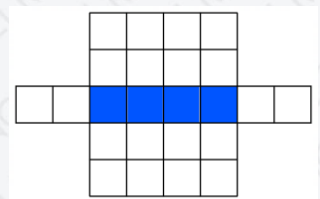
- 6 Write the distance between B and D using the given number line $BD = \dots\dots$ length units



$$1\frac{1}{2}$$

- 7 What is the volume of the solid formed from folding the net square

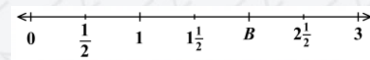
$$4 \times 1 \times 2 = 8 \text{ cm}^3$$



Model (4)

Question 1 : Choose the correct answer :

- 1 The has only one pair of parallel sides
- (a) Parallelogram (b) Rhombus (c) **Trapezium** (d) Square
- 2 From the opposite number line, the value of point B =
- (a) **2** (b) 3 (c) 4 (d) 6
- 3 The quadrilateral that has no line of symmetry is
- (a) **Parallelogram** (b) Rhombus (c) Square (d) Rectangle
- 4 The triangle of side lengths 7cm, 4cm, 7cm, is called triangle
- (a) Equilateral (b) **Isosceles** (c) Scalene (d) Obtuse
- 5 The square centimeter is the unit of measuring the
- (a) Length (b) Width (c) Volume (d) **Area**



6 The polygon whose all 4 sides are the equal in length and all 4 angles are right angles is

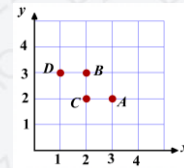
- (a) **Square** (b) Rectangle (c) Rhombus (d) Trapezoid

7 The y-coordinate in the ordered pair (5, 4) is

- (a) 1 (b) **4** (c) 5 (d) 9

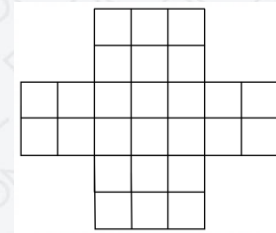
8 Which point has coordinates (1,3) is

- (a) Point A (b) **Point D**
(c) Point C (d) Point B



9 Volume of the solid formed from folding the net square = cube units

- (a) 36 (b) 24
(c) 14 (d) **12**

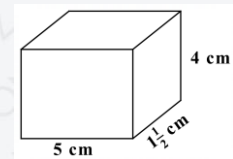


Question 2 : Answer the following questions :

1 Find the volume of opposite cuboid

$$V = 5 \times 4 \times 1\frac{1}{2}$$

$$= 5 \times 4 \times \frac{3}{2} = \frac{60}{2} = 30 \text{ cm}^3$$



2 A rectangular room has a length of 4 meters and a width of $2\frac{1}{2}$ meters what is the area of the room ?

$$A = 4 \times 2\frac{1}{2} = 4 \times \frac{5}{2} = \frac{20}{2} = 10 \text{ m}^2$$

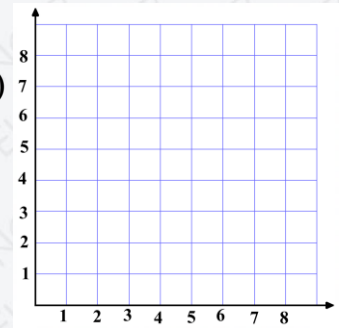
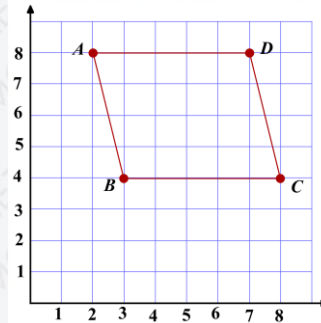
3

In the opposite coordinate plane:

a) Graph the figure ABCD where A (2, 8), B (3, 4), C (8, 4), D (7, 8)

b) What is the name of the figure ABCD ?

b) parallelogram



4

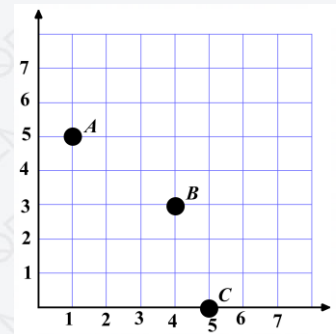
From the opposite coordinate plane:

a) The point representing the ordered pair of (4, 3) is

b) The coordinates of point C (.....,)

a) B

b) (5, 0)



5

a) Name of the shape :

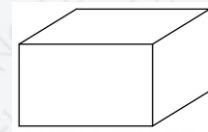
b) Number of the edges =

c) Number of the faces =

a) Rectangular prism

b) 12

c) 6



6

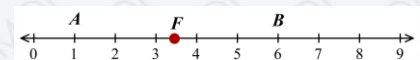
In the given number line,

a) The value of point F =

b) The distance from point B to point A = Units

a) $3\frac{1}{2}$

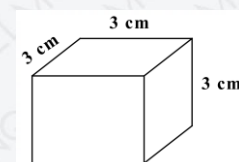
b) 5



7

The volume of the opposite cube = cm^3

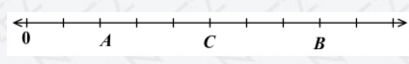
$$= 3 \times 3 \times 3 = 27 \text{ cm}^3$$



Model (5)

Question 1 : Choose the correct answer :

- 1 The y-coordinate in the ordered pair is the number
 (a) First (b) **Second** (c) Third (d) Fourth
- 2 A rectangle has a length of 5cm and width of 2cm, then its perimeter is
 (a) 14 cm (b) **20 cm** (c) 30 cm (d) 40 cm
- 3 The point (7, 0) lies on
 (a) Origin point (b) **x-axis** (c) y-axis (d)
- 4 The triangle whose measures of angles are 50° , 92° and 38° is called angled
 (a) Right (b) Acute (c) **Obtuse** (d) Straight
- 5 The has one vertex
 (a) Cube (b) Cuboid (c) **Cone** (d) Cylinder
- 6 The quadrilateral that has no line of symmetry is
 (a) Square (b) Rhombus (c) Rectangle (d) **Parallelogram**
- 7 The cuboid has faces
 (a) 12 (b) 8 (c) **6** (d) 9
- 8 The value of point C =
 (a) 2 (b) 4 (c) **5** (d) 6


- 9 The triangle whose side lengths are 7cm, 8cm, is isosceles triangle
 (a) 5 (b) 6 (c) **7** (d) 9

Question 2 : Answer the following questions :

- 1 Ahmed making a design using a 4 right angles, what its name ?

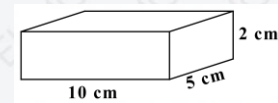
Square and rectangle

- 2 A swimming pool is in the shape of cuboid, its base is of length 60 meters and its width is 40 meters, find its depth if 36,000 cm^3 of water fill this swimming pool completely

$$h = \frac{v}{l \times w} = \frac{36000}{40 \times 60} = \frac{360}{24} = 15 \text{ m}$$

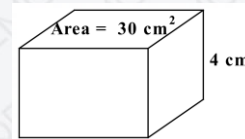
- 3 Find the volume of the opposite figure

$$V = 10 \times 5 \times 2 = 100 \text{ cm}^3$$



- 4 Find the volume of the opposite cube

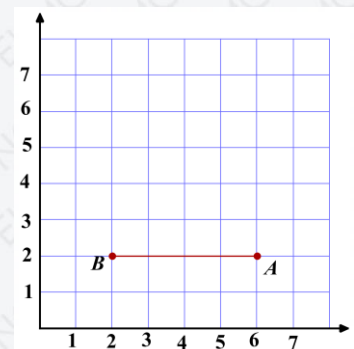
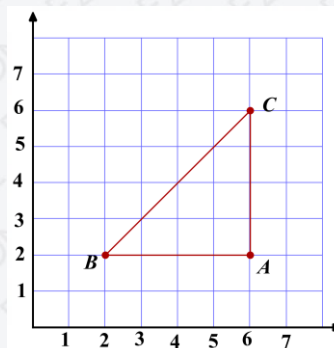
$$V = 30 \times 4 = 120 \text{ cm}^3$$



- 5 The rectangle of dimensions $\frac{1}{3}$ and $\frac{1}{5}$ unit its area

$$\frac{1}{3} \times \frac{1}{5} = \frac{1}{15} \text{ square units}$$

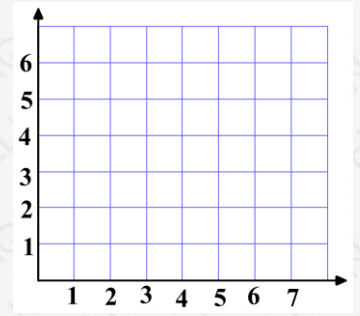
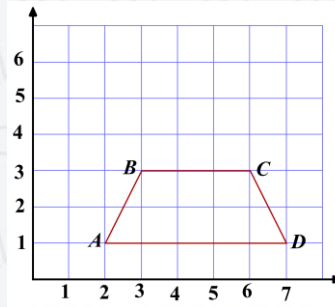
- 6 Khaled is making a design using the grid.
Starting from point A and match with point B.
place the coordinated of point C to create an
isosceles right-angled triangle at A



7

Plot the point on the coordinates grid, then join in order:

A (2, 1), B (3, 4), C (6, 4), D (7, 1)



حمل الآن

مجاناً وحصرياً

المراجعة رقم (9)

اختبار شهر ابريل



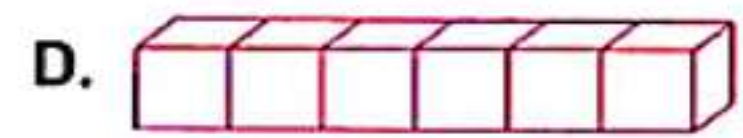
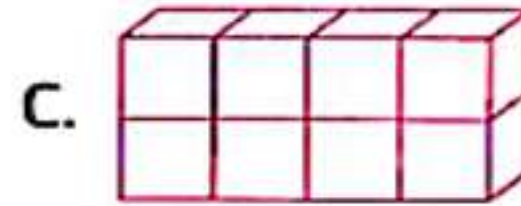
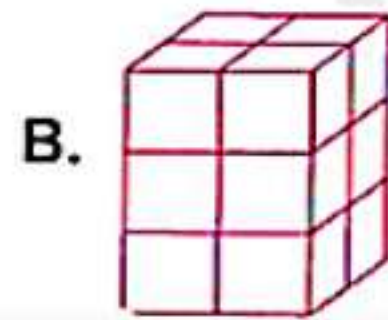
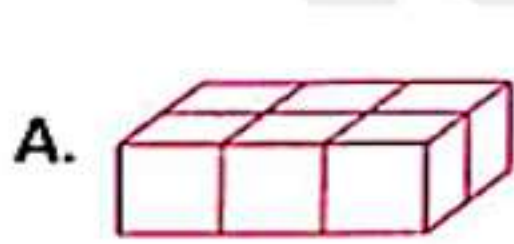
MODEL (1)

Choose the correct answer :



1 The has only one pair of parallel sides.

- (a) parallelogram (b) rhombus (c) trapezium (d) square

2 Which of the following is of volume 8 cm^3 ?

3 The value of the symbol A in the pattern (2, 10), (3, 15), (A, 20), (5, 25) is

- (a) 4 (b) 6 (c) 8 (d) 2

4 A quadrilateral with sides of equal length and angles that are not right angles is a

- (a) rectangle (b) square (c) rhombus (d) trapezoid

5 The remainder of the division problem represented by the mixed number $4\frac{3}{5}$ is

- (a) 3 (b) 4 (c) 5 (d) 15

6 The measure of the right angle is $^{\circ}$

- (a) 90 (b) 80 (c) 89 (d) 180

7 The scalene triangle has equal side (s) .

- (a) 0 (b) 1 (c) 2 (d) 3

8 $\frac{1}{7} \times \dots = 2$

- (a) 35 (b) 28 (c) 21 (d) 14

9 The area of the opposite rectangle = square units

- (a) 6 (b) 12 (c) 14 (d) 16



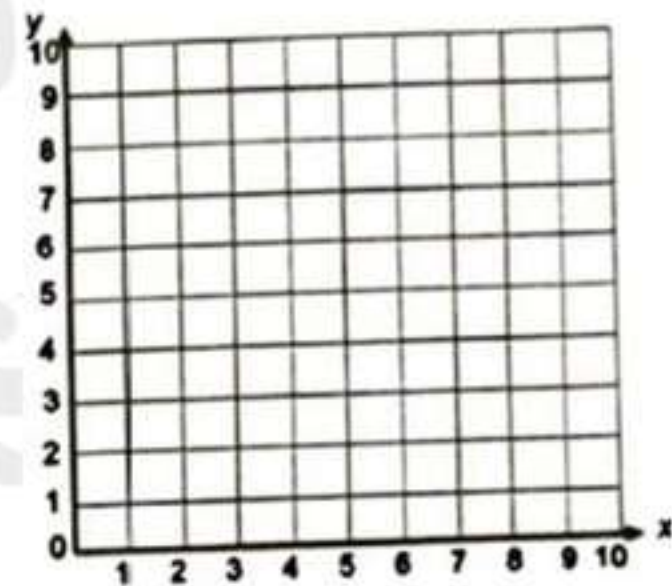
MODEL (1)



Answer The following questions :

- 1 Malak drinks $\frac{1}{5}$ liter of juice daily. If she has 4 liters of juice, What is the number of days it will take her to drink all the juice?

- 2 Plot the following points on the coordinate plane, and then connect the points : A(2,2) , B(6,2) , C(6,8)
State the name of the resulting shape .



- 3 Write the unknown number in each equation:

a. $\frac{1}{9} \div a = \frac{1}{45}$

b) $b \times \frac{1}{9} = \frac{1}{45}$

- 4 Using the following ordered pairs : (2,10) , (3, 15) , (4, 20) , (5, 25)
Find the value of y when x = 7

- 5 Write the shape that represents the base of a cylinder.

- 6 A house has a door that is $1\frac{1}{2}$ m wide and $2\frac{1}{2}$ m long.
What is the area of the door in square meters?

- 7 Find the quotient as an improper fraction and put it in simplest form using the division algorithm.

$$\begin{array}{r} 5 \overline{) 12} \end{array}$$

MODEL (2)

Choose the correct answer :



1 $\frac{1}{3} \div 2 = \dots\dots\dots$

(a) $\frac{1}{2}$

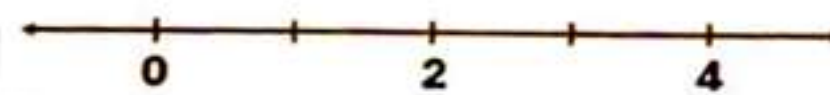
(b) $\frac{1}{6}$

(c) $\frac{2}{3}$

(d) $\frac{3}{2}$

2 First : choose the correct answer :

Using the horizontal number line, the value of the distance between each two consecutive marks is =



(a) 1

(b) $\frac{1}{2}$

(c) $1\frac{1}{2}$

(d) $\frac{1}{3}$

3 Which of the following points lies on the Y-axis?

(a) (3, 0)

(b) (2, 3)

(c) (0, 9)

(d) (2, 2)

4 An angle whose measure is greater than 0° and less than 90° is a ... angle.

(a) right

(b) acute

(c) obtuse

(d) straight

5 $3 \div \frac{1}{5} = \dots\dots\dots$

(a) $\frac{1}{5}$

(b) $\frac{1}{15}$

(c) 15

(d) $\frac{3}{5}$

6 If $m(\angle X) = 40^\circ$, $m(\angle Y) = 90^\circ$ and $m(\angle Z) = 50^\circ$, then the triangle is - angled triangle.

(a) an acute

(b) a right

(c) an obtuse

7 If $\frac{1}{3} \div a = \frac{1}{6}$, then $a = \dots\dots\dots$

(a) 3

(b) $\frac{1}{2}$

(c) 2

(d) $\frac{1}{3}$

8 If $5 \div \frac{1}{3} = x$, then $x = \dots\dots\dots$

(a) 15

(b) $\frac{5}{3}$

(c) $\frac{3}{5}$

(d) 8

9 Number of vertices of cube ☒ number of vertices of cuboid.

(a) >

(b) <

(c) =

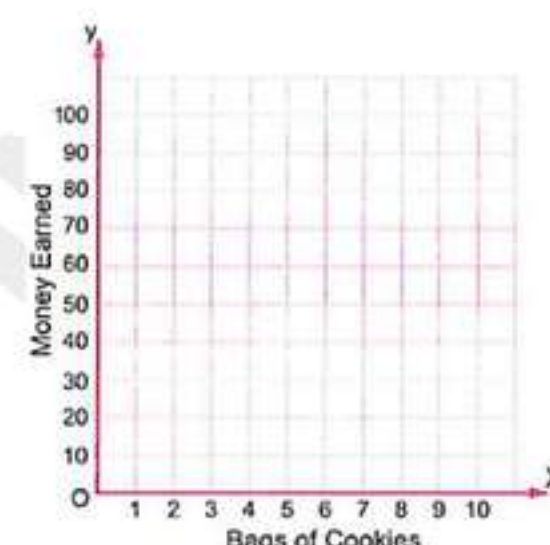
MODEL (2)



Answer The following questions :

1 How many sevenths are in the number 5 ?

2 Yara is selling bags of cookies to make extra money. She earns 10 LE. for each bag of cookies. Complete the table then graph the points on the coordinate grid.



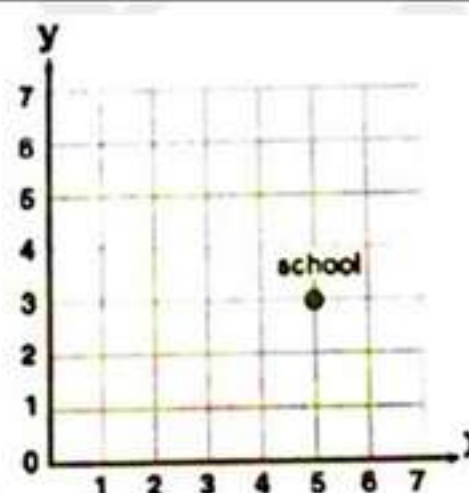
Bags	2	4	7	8
Money	.....	.....	.....	.....

3 Use models to find the quotient in simplest form : $2 \div \frac{1}{3}$

4 A rectangle has a length of $1\frac{1}{3}$ cm and a width of $\frac{1}{3}$ cm, find its area

5 Write the shape that represents the base of a cylinder.

6 Using the opposite coordinate plane, determine the ordered pair that represents the school.

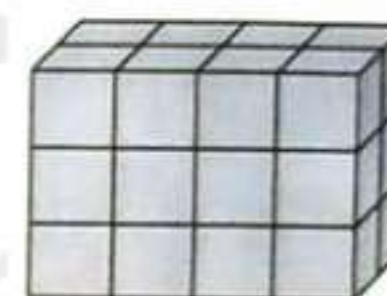
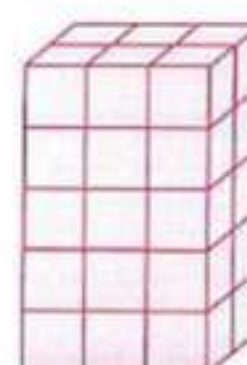


7 Write the dimensions of the given shape and find its volume.

a. Number of vertical slices :

b. Number of cubes in each vertical slice:

c. Volume = $\times$ = cubic units.



MODEL (3)

Choose the correct answer :



1 The shape that has no axes of symmetry is

- (a) rectangle (b) square (c) parallelogram (d) rhombus

2 The triangle whose side lengths are is an equilateral triangle.

- (a) 7 cm , 6 cm , 5 cm (b) 5 cm , 5 cm , 5 cm
 (c) 4 cm , 4 cm , 4 cm (d) 8 cm , 8 cm , 3 cm

3 The x-coordinate in the ordered pair (8 , 10) is

- (a) 4 (b) 8 (c) 0.6 (d) 10

4 The figure represents two perpendicular straight lines.

5 $\frac{1}{3} < \dots\dots\dots$

- (a) $\frac{1}{8}$ (b) $\frac{1}{9}$ (c) $\frac{1}{7}$ (d) $\frac{3}{4}$

6 The fraction that represents dividing 17 LE equally among 3 boys is.....

- (a) $\frac{1}{3}$ (b) $\frac{1}{17}$ (c) $\frac{17}{3}$ (d) $\frac{3}{17}$

7 The shape represents

- (a) line segment (b) ray (c) polygon (d) straight line

8 A triangle with side lengths of 6 cm , 4 cm , and 3 cm is called

- (a) right angle (b) isosceles (c) scalene (d) equilateral

9 A rectangle whose length is twice its width (in cm). this information can be represented by the rule : length (L) = 2 × width (w) if the width of the rectangle is 3cm

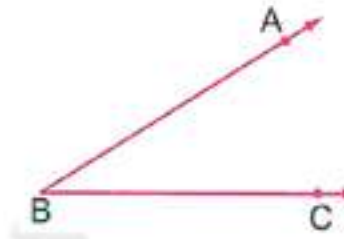
- (a) 8 (b) 2 (c) 4 (d) 6

MODEL (3)

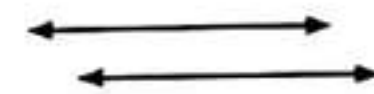
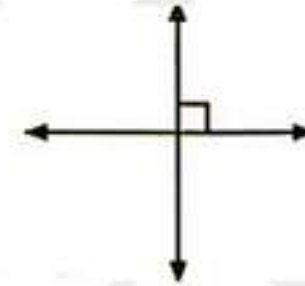
Answer The following questions :



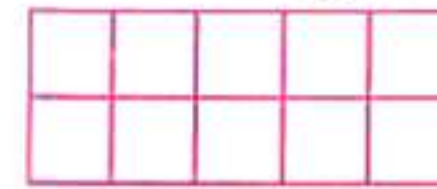
- 1 a. The name of the opposite angle is
b. The type of the opposite angle is



- 2 Write the appropriate below each pair of lines:
a. Two lines are
b. Two lines are
c. Two lines are



- 3 Count the units(s) to determine the area of oppsite rectangle .
Number of units (s) =
Area using rule =



- 4 a) A carpenter makes a box of wood whose length 40 cm , its width 30 cm and its height 70 cm, find the volume of the box.

- 5 Hazem wants to give $\frac{1}{3}$ of a box chocolate to each freind. He has 3 box of chocolate. What is the number of friends he will give the chocolate to?

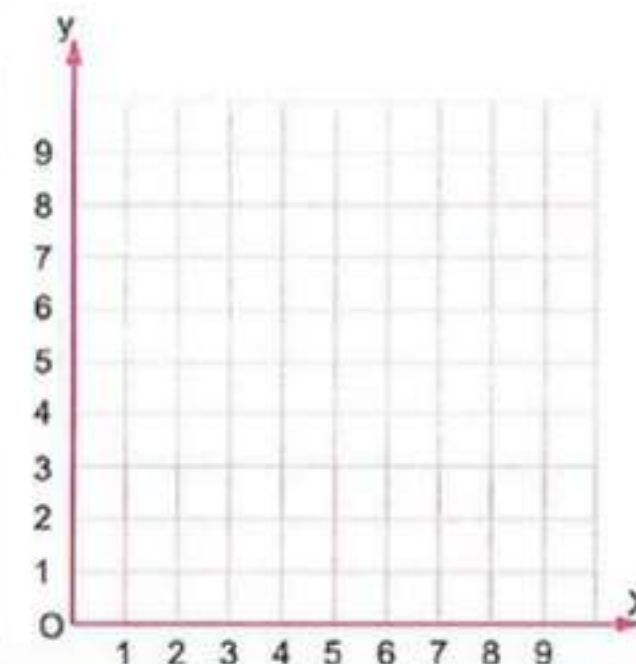
- 6 In the oppsite coordinate plane :

Graph the figure ABCD where

A(2 , 8) , B(3 , 4) , C(8 , 4) , D(7 , 8)

a) What is the name of the figure ABCD?

b) AD //



- 7 a) Use the vertical number line to determine how far point D is from point E.
b) Use the vertical number line to determine the value of point C.



كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9

